



HMDP Visiting Experts FY26

**OFFICIAL PROGRAMME**Note:

The programme is accurate at the time of publication, and is subject to change at any time without prior notice.

EXPERT NAME

Jonathan David Edgeworth

START DATE

21<sup>st</sup> September 2026

END DATE

25<sup>th</sup> September 2026

SPECIALTY/TITLE OF PROGRAMME

Real-time Metagenomics for Clinical Application

HOSTING INSTITUTION

National Centre for Infectious Diseases (NCID)

DATE AND DAY	TIME	ACTIVITIES	Training Objectives	NTP* (YES/NO)	VENUE AND CAPACITY
21 Sep 2026 (Monday)	9.00am – 10.00am	Welcome and introductory meetings	Introduction	NO	Level 1 NCID Cares (up to 30 pax)
	10.00am – 11.00am	Seminar #1 Clinical metagenomics: Essential truths from a years-long journey	- To share practical experiences and lessons learned from implementing clinical metagenomics within a national network	NO	Level 2 CHI Hall 1 (up to 100 pax + hybrid online)
	11.00am – 12.00pm	Young clinicians' engagement	- Dedicated session for younger clinicians (including trainees) - To spark interest and encourage future professional development in the field of clinical metagenomics	NO	Level 2 CHI Hall 1 (in-person only)
	12.00pm – 2.00pm	Lunch & networking	NA	NO	NA
	2.00pm – 3.00pm	NCID facility and ward tour	- Familiarisation with clinical/public health infrastructure and operations	NO	N/A
	3.30pm – 5.00pm	NCID ID Research Laboratory sharing on current research projects on genomics and metagenomics	- Discuss IDRL projects beyond scope of current research collaboration - Identify areas of further collaboration/synergy	NO	Level 2 NCID Research Office Meeting Room (15 pax)
22 Sep 2026 (Tuesday)	9.00am – 10.00am	Welcome and introductory meeting at SGH	Introduction	NO	Academia Room
	10.00- 11.00am	Laboratory Tour 1 (Diagnostic Bacteriology and Epidemiology Lab)	- Familiarisation with clinical infrastructure and operations	NO	NA
	11.30am- 12.30pm	Talk: Clinical and Analytical validation framework of metagenomics in the diagnostic microbiology laboratory	Description of Framework, challenges, sample types, interpretation for clinical validation of metagenomics	NO	Room AC-7-1, Level 7, Diagnostics Tower, Academia (Hybrid - 60 pax +online)
	12.30-1.30pm	LUNCH	NA	NO	Room AC-7-1, Level 7, Diagnostics Tower, Academia
	1.30pm- 2.30pm	Talk: Regulatory compliance and governance of clinical metagenomics	- Standardization and regulatory framework applicable in the expert's experience - Keeping up with metagenomics service accreditations – From wet to dry lab - Diagnostic stewardship	NO	Room AC-7-1, Level 7, Diagnostics Tower, Academia (Hybrid - 60 pax +online)

	2.30-5.00pm	Discussion and Lab Tour Part 2 (Molecular and Central TB Labs)	<ul style="list-style-type: none"> <li>- Discussion on best practices to improve diagnostic laboratory and epidemiological processes, test validation and accreditation</li> <li>- Familiarisation with clinical infrastructure and operations</li> </ul>	NO	Academia Room
23 Sep 2026 (Wednesday)	9.00 - 10.00am	Welcome and introductory meeting at NUH. Coordinator (Dr Chew Ka Lip)	- Introductory meeting to provide overview of NUH's healthcare operations and research	NO	Training Room, Department of Laboratory Medicine, NUH, 5 Lower Kent Ridge Road (in person)
	10.00am – 12.00pm	Lab Tour and General Discussion	Overview of current molecular diagnostic setup in NUH for expert's input on potential areas of improvement/expansion of services	NO	Training Room, Department of Laboratory Medicine, NUH, 5 Lower Kent Ridge Road (in person)
	12.00 – 1.30pm	Lunch	NA	NO	NA
	1.30 - 3pm	Sharing on Diagnostic Stewardship Initiatives in NUH (Dr Gabriel Yan)  Discussion: Navigating increasing test complexities, and clinical outreach for microbiology laboratories	<ul style="list-style-type: none"> <li>- Discuss new tests in infectious diseases diagnostics</li> <li>- Discuss new molecular tests and actions to improve test ordering practices, clearer reporting, and test interpretation/action by clinicians</li> </ul>	NO	Training Room, Department of Laboratory Medicine, NUH, 5 Lower Kent Ridge Road (Hybrid)
	3.30 – 4.30pm	Sharing on Current Research/Projects in NUH  Discussion: Future directions of microbiology diagnostics	To share on current ongoing or future research proposals in NUH	NO	Training Room, Department of Laboratory Medicine, NUH, 5 Lower Kent Ridge Road (Hybrid)
	4.30 – 5.00pm	Closing meeting for NUH	NA	NO	TBC
24 Sep 2026 (Thursday)	9.00am – 12.00pm	Research visit and meeting at A*STAR Infectious Diseases Lab	-To showcase research operations and capabilities at the A*STAR infectious diseases laboratory	NO	ASTAR Infectious Diseases Lab
	12.30pm – 2.00pm	Lunch	NA	NO	NA

	2.00pm – 5.00pm	Research facilities visit and discussion with NCID ID Research Laboratory, CDA Research Laboratory, and National Public Health Laboratory	<ul style="list-style-type: none"> <li>- To review research operations and capabilities at NCID/CDA/NPHL</li> <li>- To explore ways of expanding research capabilities and priorities</li> </ul>	NO	Various laboratories in NCID
25 Sep 2026 (Friday)	9.00am – 10.00am	Seminar #2 The value of clinical metagenomics beyond pathogen identification	<ul style="list-style-type: none"> <li>- To discuss the role and impact of antimicrobial resistance detection via metagenomics and host transcriptomics on clinical care</li> <li>- Perspective sharing on future research directions and areas for growth in clinical/scientific domains</li> </ul>	NO	Level 2 CHI Hall 1 (up to 100 pax + hybrid online)
	10.00am – 11.00am	Meeting with NCID Metagenomics Study Group	- To discuss collaboration on joint publications and future grant opportunities	NO	Level 2 NCID Research Office Meeting Room (10 pax)
	11.00am – 12.00pm	Interhospital grand round	- Sharing of selected clinical cases	NO	Level 1 NCID Cares (Hybrid online + up to 40 pax)
	12.00pm – 2.00pm	Farewell lunch & networking	NA	NO	NA
	2.00pm – 5.00pm	Closure meeting and discussion on visit reports.	- To conclude the visit	NO	Level 2 NCID Research Office Meeting Room (10 pax)

\*NTP – National Training Programme