



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

21st September 2026

END DATE

25th September 2026

SPECIALTY/TITLE OF PROGRAMME

Real-time Metagenomics for Clinical Application

HOSTING INSTITUTION

National Centre for Infectious Diseases (NCID)

Part I : Administrative Notes for Local Coordinators

- 1 Local Coordinators should liaise with the relevant departments of the Public Healthcare Institutions/National Centres in all clusters when preparing the programme, and ensure there are inter-cluster collaborations i.e. mandatory visits to all clusters for the same specialty or discipline.
- 2 Please include the learning objectives for each activity.
- 3 The programme should comprise of sessions that are open to participants from all clusters, and participants attending any of the programme sessions should not be charged registration fees.
- 4 The programme should be submitted to MOH-MS&D at least 12 weeks prior to the start of the programme. Prior to that, the endorsement from the sponsor division must be sought. The sponsor division must be given at least 4 weeks of lead time for the endorsement.
- 5 The Expert must review and endorse the Final Programme before submitting to the MOH-MS&D. A digital signature or an email confirmation from the Expert suffices.
- 6 A Short Write-up on the visiting expert should be submitted together with the Final Programme for the Ministry's publicity efforts.

For HMDP Programme with MOH Sponsor(s)

MOH Division(s):

Officer's Name(s):

Part II : Endorsement by Visiting Expert

I have reviewed and agreed to the Final Programme.

May 23rd 2026

DATE & SIGNATURE OF EXPERT

DATE AND DAY	TIME	ACTIVITIES	Training Objectives	NTP* (YES/NO)	VENUE AND CAPACITY	NAME AND EMAIL OF COORDINATOR
21 Sep 2026 (Monday)	9.00am – 10.00am	Welcome and introductory meetings	Introduction	NO	Level 1 NCID Cares (up to 30 pax)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	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	CHI Level 8-003 (up to 50 pax + hybrid online)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	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	CHI Level 8-003 (in-person only)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	12.00pm – 2.00pm	Lunch & networking	NA	NO	NA	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	2.00pm – 3.00pm	NCID facility and ward tour	- Familiarisation with clinical/public health infrastructure and operations	NO	N/A	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	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)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
22 Sep 2026 (Tuesday)	9.00am – 10.00am	Welcome and introductory meeting at SGH	Introduction	NO	Academia Room	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg
	10.00-11.00am	Laboratory Tour 1 (Diagnostic Bacteriology and Epidemiology Lab)	- Familiarisation with clinical infrastructure and operations	NO	NA	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg
	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)	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg
	12.30-1.30pm	LUNCH	NA	NO	Room AC-7-1, Level 7, Diagnostics Tower, Academia	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg
	1.30pm-2.30pm	Talk: Regulatory compliance and governance of clinical metagenomics	- Standardization and regulatory framework applicable in the expert's experience	NO	Room AC-7-1, Level 7, Diagnostics	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg

			- Keeping up with metagenomics service accreditations – From wet to dry lab - Diagnostic stewardship		Tower, Academia (Hybrid - 60 pax +online)	
	2.30-5.00pm	Discussion and Lab Tour Part 2 (Molecular and Central TB Labs)	- Discussion on best practices to improve diagnostic laboratory and epidemiological processes, test validation and accreditation - Familiarisation with clinical infrastructure and operations	NO	Academia Room	A/Prof Lynette Oon Lin Ean lynette.oon.l.e@singhealth.com.sg
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)	Dr Chew Ka Lip ka_lip_chew@nuhs.edu.sg
	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)	Dr Chew Ka Lip ka_lip_chew@nuhs.edu.sg
	12.00 – 1.30pm	Lunch	NA	NO	NA	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	- Discuss new tests in infectious diseases diagnostics - Discuss new molecular tests and actions to improve test ordering practices, clearer reporting, and test interpretation/action by clinicians	NO	Training Room, Department of Laboratory Medicine, NUH, 5 Lower Kent Ridge Road (Hybrid)	Dr Chew Ka Lip ka_lip_chew@nuhs.edu.sg
	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	Dr Chew Ka Lip ka_lip_chew@nuhs.edu.sg

					Ridge Road (Hybrid)	
	4.30 – 5.00pm	Closing meeting for NUH	NA	NO	TBC	Dr Chew Ka Lip ka_lip_chew@nuhs.edu.sg
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	Prof Lisa Ng lisa_ng@a-star.edu.sg
	12.30pm – 2.00pm	Lunch	NA	NO	NA	NA
	2.00pm – 5.00pm	Research facilities visit and discussion with NCID ID Research Laboratory, CDA Research Laboratory, and National Public Health Laboratory	- To review research operations and capabilities at NCID/CDA/NPHL - To explore ways of expanding research capabilities and priorities	NO	Various laboratories in NCID	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
25 Sep 2026 (Friday)	9.00am – 10.00am	Seminar #2 The value of clinical metagenomics beyond pathogen identification	- To discuss the role and impact of antimicrobial resistance detection via metagenomics and host transcriptomics on clinical care - Perspective sharing on future research directions and areas for growth in clinical/scientific domains	NO	CHI Level 8-003 (up to 50 pax + hybrid online)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	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)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	11.00am – 12.00pm	Interhospital grand round	- Sharing of selected clinical cases	NO	Level 1 NCID Cares (Hybrid online + up to 40 pax)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg
	12.00pm – 2.00pm	Farewell lunch & networking	NA	NO	NA	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)	A/Prof Ng Oon Tek oon.tek.ng@nhghealth.com.sg

*NTP – National Training Programme