

Central Commissioned Training Program for Medical Laboratory Technologists 2025/26 The Integration of Big Data and Artificial Intelligence in Laboratory Medicine

*Co-organized by Allied Health Committee of Pathology and
Institute of Advanced Allied Health Studies*

Date: 30 & 31 October 2025 (Thurs & Fri)
Time: Day 1: 09:00 – 17:15 / Day 2: 09:00 – 17:15
Mode of delivery: Zoom Webinar
Program Design: Lecture
Award: Certificate of attendance would be awarded to participants who have attended no less than 80% of overall program.
*(Remarks: Attendance will be captured according to your **login and logout time** in Zoom®. Late joiner after 30 minutes would not be allowed to join the training.)*
Language medium: English supplemented with Cantonese
CPD/CME Points: Pending approval by MLT Board and HKAM
Target Participant: Laboratory Staff (SMT/MT/AMT), Scientific Officers (Medical), Pathologists

Date	30 October 2025 (Thursday)		31 October 2025 (Friday)	
Time	09:00 – 12:30	13:45 – 17:15	09:00 – 12:30	13:45 – 17:15
Priority Specialty	Haematology Laboratory	Anatomic Pathology Laboratory	Clinical Chemistry Laboratory	Microbiology Laboratory
Class no.	Class 1	Class 2	Class 3	Class 4
Aims and Objectives	The training aims to enhance MLTs' Knowledge of the integration of Big Data and Artificial Intelligence in Laboratory Medicine, focusing on AI in Hematology and Cellular Therapy.	The training aims to enhance MLTs' Knowledge of the integration of Big Data and Artificial Intelligence in Laboratory Medicine, focusing on clinical application of computational pathology and implementation of digital pathology.	The training aims to enhance MLTs' Knowledge of the integration of Big Data and Artificial Intelligence in Laboratory Medicine, focusing on use of AI and Big Data in Result Interpretation and Quality Management of Chemical Pathology Tests.	The training aims to enhance MLTs' Knowledge of the integration of Big Data and Artificial Intelligence in Laboratory Medicine, focusing on AI in Clinical Microbiology Laboratories: A Review, Practical Applications, and the Way Forward.

Rundown (Day 1)

Date: 30 October 2025 (Thursday)

Mode of delivery: Zoom Webinar

<u>Schedule</u>	<u>Programme</u>	<u>Speaker</u>
08:45 – 09:00	Registration (Class 1)	
09:00 – 09:10	Welcome Speech	Mr. Jackson WONG Senior Manager (Allied Health) Hospital Authority, Hong Kong
09:10 – 09:55	Use of Artificial Intelligence in Haematology	Dr. HW IP Consultant, Division of Haematology, Queen Mary Hospital
09:55– 10:15	Break	
10:15 – 11:15	AI in Hematology and Cellular Therapy <i>(pre-recorded video)</i>	Dr. Roni SHOUVAL Assistant Attending Adult BMT Service Cellular Therapy Service Director, Precision Cellular Therapy Laboratory Memorial Sloan Kettering Cancer Center
11:15 – 12:15	智慧检验技术创新与临床实践 <i>(pre-recorded video)</i>	司徒博教授 检验医学科副主任, 南方医科大学南方医院
12:15– 12:30	Panel Discussion	Dr. HW IP Dr. Roni SHOUVAL 司徒博教授
13:30 – 13:45	Registration (Class 2)	
13:45 – 14:45	Paradigm Shift: The Role of Medical Technologists and Pathologists in the Era of Artificial Intelligence	Dr. SM MAK Chief of Service, Department of Clinical Pathology, Tuen Mun Hospital / Pok Oi Hospital / Tin Shui Wai Hospital
14:45 – 15:45	Clinical Application of Computational Pathology <i>(pre-recorded video)</i>	Dr. CF YEUNG, Honorary Associate Consultant, Department of Pathology, Queen Mary Hospital
15:45 – 16:00	Break	
16:00 – 17:00	What do I need to know to implement digital pathology?	Dr. Ronald CHAN Deputy Chief of Service/Consultant, Department of Pathology North District Hospital/ Alice Ho Miu Ling Nethersole Hospital
17:00 – 17:15	Panel Discussion	Dr. SM MAK Dr. CF YEUNG Dr. Ronald CHAN

Rundown (Day 2)

Date: **31 October 2025 (Friday)**

Mode of delivery: Zoom Webinar

<u>Schedule</u>	<u>Programme</u>	<u>Speaker</u>
08:45 – 09:00	Registration (Class 3)	
09:00 – 09:10	Welcome Speech	Ms Jane TING, Senior Medical Technologist, Clinical Pathology, Tuen Mun Hospital
09:10 – 10:10	Use of Artificial Intelligence and Big Data in Result Interpretation and Quality Management of Chemical Pathology Tests	Dr. Felix C K WONG, Consultant, Division of Chemical Pathology, Queen Mary Hospital
10:10 – 10:55	Development and validation of a risk prediction model for breast cancer in the Hong Kong population through a systematic review and meta-analysis	Dr. Heylie WONG, Scientific Officer (Medical), Department of Pathology United Christian Hospital
10:55 – 11:10	Break	
11:10 – 12:10	Artificial Intelligence in Genetic Testing	Dr. Nike LAU Associated Consultant, Department of Pathology, Princess Margaret Hospital
12:10 – 12:25	Panel Discussion	Dr. Felix WONG, Dr. Heylie WONG, Dr. Nike LAU
13:30 – 13:45	Registration (Class 4)	
13:45 – 14:45	Artificial Intelligence in Clinical Microbiology Laboratories: A Review, Practical Applications, and the Way Forward	Dr. River WONG Scientific Officer (Medical), Department of Microbiology, Prince of Wales Hospital
14:45 – 15:45	Host-Microbiota Interactions in the Pathogenesis of Head and Neck Squamous Cell Carcinoma	Prof. Zigui CHEN Associate Professor, Department of Microbiology, The Chinese University of Hong Kong
15:45 – 16:00	Break	
16:00 – 17:00	Application of automation and artificial intelligence in microbiology laboratory	Dr. Edwin CHIU Resident, Department of Microbiology, Queen Mary Hospital
17:00 – 17:15	Panel Discussion	Dr. River Wong Prof. Zigui CHEN Dr. Edwin CHIU

Enrolment:

- Interested participant please fill in and send the attached enrolment form to Institute of Advanced Allied Health Studies (IAAHS) by replying this email, quoting “*Central Commissioned Training Program for Medical Laboratory Technologists 2025/26: The Integration of Big Data and Artificial Intelligence in Laboratory Medicine (Ref 041, 035)*” **on or before 25 September, 2025 (Thursday).** Late application will not be entertained.
- Enrolment result would **NOT** be notified individually. It should be checked before program commencement via HA IAAHS intranet <http://ah.home/haiaahs/SitePages/Home.aspx> or through e-Learning Centre http://elc.home/myelc/login_pop.aspx **on or after 10 October, 2025 (Fri).**

Important Notes:

- Participants are required to **strictly adhere** to **CICO’s guideline on Infection Control Precautions for Training Activities** (see [link](#)) when attending the program (for both individual or group registration).
- Participants are **required to prepare ALL of the following equipment:** (1) individual desktop/ laptop/ tablet/ mobile with stable internet access, (2) headphone/speaker (to hear), (3) microphone (to speak) and (4) webcam (to see your face).
- According to HA’s best practice, **only authenticated users** could join the Zoom® training. Participant should register a Zoom® account with his/her **HA internet email** and provide the email account in the nomination form. Sign up of a Zoom® account can be done at: <https://ha-org-hk.zoom.us/signup>
- The Zoom® training link, ID and password would be sent to successful nominees at least 5 days before program commencement. Participants should NOT disclose the zoom details to any non-participants of the program.

For enquiry, please contact Ms. Vivian Wai, TO(AH) at 2300 6139 (program) or Ms. Sandy HUI, EAI (HAA) at 2300 7718 (registration).