



# Molecular Diagnostics & Biomarker Discovery

## Redefining Healthcare: Multi-Omics Driven Diagnostics and Therapeutics

19-20 August 2026

Iconic Marjorie Hotel, a Tribute Portfolio by Marriott International  
Penang, MALAYSIA

[mdbd.usm.my](http://mdbd.usm.my) | [mdbd@usm.my](mailto:mdbd@usm.my)

### Day 1 – 19 August 2026 (Wednesday)

Time	Session
08:30 – 08:00	Registration & Arrival of Participants
08:30 – 08:50	<b>Welcoming Remarks</b> – Assoc. Prof. Dr Aziah (INFORMM Director & MDBD2026 Advisor) <b>Welcoming Remarks</b> – Imelia Wong (Country General Manager, Malaysia, Thermo Fisher Scientific)
08:50 – 09:00	<b>Opening Remarks</b> – Prof. Dato’ Seri Ir. Dr. Abdul Rahman Mohamed (Vice-Chancellor, Universiti Sains Malaysia)
09:00 – 09:20	<b>USM-Thermo Fisher Scientific MoU Signing Ceremony</b>
09:20 – 10:00	<b>Keynote Address</b> <b>Translational Biotechnology in Malaysia: Integrating Multi Omics Innovations into Real World Healthcare Solutions</b> <ul style="list-style-type: none"><li>• Prof. Datuk Wira Dr Raha Abdul Rahim (CEO, National Institute of Biotechnology Malaysia)</li></ul>
10:00 – 10:20	Break, Poster Viewing & Networking
10:20 – 11:20	<b>Plenary Session 1: Diagnostics</b> <ul style="list-style-type: none"><li>• Prof. Dr Chang Chia-Ching (National Yang Ming Chiao Tung University, Taiwan)</li><li>• Dr Nur Eyuni Mohd Salleh (National Public Health Laboratory Johor Bharu, Malaysia Ministry of Health)</li></ul>

11:20 – 11:40	<p><b>Technical Talk</b></p> <p><b>Enabling Multi-Omics Research: Transforming Complex Biology into Scientific Breakthrough</b></p> <ul style="list-style-type: none"> <li>Tian Sheng LEW (Technical Sales Manager, Biosciences, Thermo Fisher Scientific, Southeast Asia)</li> </ul>
11:40 – 12:40	<p><b>Plenary Session 2: Biomarker Discovery</b></p> <ul style="list-style-type: none"> <li>Assoc. Prof. Surasak Wanram (Ubon Ratchathani University, Thailand)</li> <li>Dr Mirna Mourtada-Maarabouni (Keele University, United Kingdom)</li> </ul>
12:40 – 13:00	<p><b>Technical Talk</b></p> <p><b>From Discovery to Decision: Enabling Precision Medicine with Ion Torrent™ Sequencing</b></p> <ul style="list-style-type: none"> <li>Osman, Muhammad Afiq (Clinical Technical Sales Specialist, Thermo Fisher Scientific, Southeast Asia)</li> </ul>
13:00 – 14:00	Lunch
14:00 – 15:00	<p><b>Plenary Session 3: Therapeutics</b></p> <ul style="list-style-type: none"> <li>Prof. Dr Chin Sze Piaw (Cytopenics Sdn Bhd)</li> <li>Prof. Dr Badrul Hisyam Yahya (Pusat Kanser Tun Abdullah Ahmad Badawi, Universiti Sains Malaysia)</li> </ul>
15:00 – 15:40	<p><b>Forum</b></p> <p><b>Redefining Healthcare: Multi-Omics Driven Diagnostics and Therapeutics</b></p>
15:40 – 16:00	Break, Poster Viewing & Networking
16:00 – 17:30	<p><b>Oral Presentation Sessions 1 (Parallel)</b></p> <p>Room A – Diagnostics &amp; Biomarker Discovery</p> <p>Room B – Therapeutics</p>
17:30	End



# Molecular Diagnostics & Biomarker Discovery

## Redefining Healthcare: Multi-Omics Driven Diagnostics and Therapeutics

19-20 August 2026

Iconic Marjorie Hotel, a Tribute Portfolio by Marriott International

Penang, MALAYSIA

[mdbd.usm.my](http://mdbd.usm.my) | [mdbd@usm.my](mailto:mdbd@usm.my)

### Day 2 – 20 August 2026 (Thursday)

Time	Session
09:00 – 10:20	<b>Oral Presentation Sessions 2 (Parallel)</b> Room A – Diagnostics & Biomarker Discovery Room B – Therapeutics
10:00 – 10:20	Break, Poster Viewing & Networking
10:20 – 12:20	<b>Plenary Session 4: Road Map of Diagnostic &amp; Therapeutic Innovations</b> <b>Preclinical Path Towards Advancement of Pharmaceuticals, Nutraceuticals and Biologics</b> <ul style="list-style-type: none"><li>• Assoc. Prof. Dr Tye Gee Jun (Director, Malaysia Institute of Pharmaceutical and Nutraceuticals)</li><li>• Dr Akhmal Yusof (CEO, Clinical Research Malaysia)</li><li>• Prof. Dr Shieh Dar-Bin (Senior Vice President, National Yang Ming Chiao Tung University, Taiwan)</li></ul>
12:20 – 12:40	<b>Technical Talk</b> <b>Advancing Translational Research Through Simplified Spatial Proteomics Workflows</b> Steven Ta, M.Sc. (Technical Sales Specialist, Cellular Imaging, Thermo Fisher Scientific, Southeast Asia)
12:40 – 13:00	<b>Technical Talk</b> <b>Precision Mass Spectrometry: Accelerating Biopharma and Multi-Omics Insights with the Orbitrap Exploris 240</b> Assoc. Prof. Dr Mohd Nazri Ismail, Analytical Biochemistry Research Centre (ABrC), Universiti Sains Malaysia

13:00 – 14:00	Lunch
14:00 – 15:40	<b>Oral Presentation Sessions 3 (Parallel)</b> Room A – Diagnostics & Biomarker Discovery Room B – Therapeutics
15:40 – 16:00	Break, Poster Viewing & Networking
16:00 – 16:50	<b>Oral Presentation Sessions 4 (Parallel)</b> Room A – Diagnostics & Biomarker Discovery Room B – Therapeutics
16:50 – 17:10	<b>Technical Talk</b> <b>Precise, non-contact picoliter dispensing to enhance preparation of dose-response curves</b> Mr Chan Randall (Product Manager, Laboratory Plastics Essential, Thermo Fisher Scientific, Southeast Asia)
17:10 – 17:30	Closing Remarks & Best Presenters Award Ceremony
17:30	End

The Molecular Diagnostics & Biomarker Discovery conference is organised by the Institute for Research in Molecular Medicine (INFORMM), Universiti Sains Malaysia and is solely sponsored by Thermo Fisher Scientific. All rights reserved (2026).

<https://informm.usm.my>

<https://www.thermofisher.com>