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INTERNATIONAL MEDINI HEALTHCARE CONFERENCE 2024

In conjunction with MIMLS 33rd National Scientific Conference

Sustainable Diagnostics: The Future of Humanity

CPD POINTS AWARDED

HRD CORP CLAIMABLE

24th - 25th September 2024

Renaissance Johor Bahru Hotel

REGISTRATION FEES

Ticket Type	Malaysian	International
Early Bird Registration *(Before 1 August 2024)*	RM400	USD 100
Normal Registration	RM450	USD 110
Walk-in Registration	RM500	-
Day Registration	RM250	USD 65
Student Registration *(Must Prove With Student Id)*	RM250	USD 65

Early bird registration and abstract submission due date **1st August 2024**

SCAN HERE FOR REGISTRATION

SCAN HERE FOR ABSTRACT

For More Info Visit | www.gleneagles.com.my

INTERNATIONAL MEDINI HEALTHCARE CONFERENCE 2024

In conjunction with MIMLS 33rd National Scientific Conference

Sustainable Diagnostics: The Future of Humanity

PROGRAMME

Day 1 | 24th September 2024, Tuesday

7:30am - 8:30am — **Registration**

8:30am - 9:30am

Welcome Speech
Dr. Kamal Amzan
CEO, Gleneagles Hospital Johor &
Regional CEO (Southern & Eastern), IHH MY

Opening Remark
Officiation Speech
Launching
Photo Session

9:30am - 10:15am — **Plenary 1**

A Novel Approach To A Sustainable Healthcare Genomics Workforce
Speaker : Dr. Adam Hodgson (Sheffield, UK)
Chairperson : Dr. Yabitha Vasavan

10:15am - 10:35am — **Morning Tea Break & Booth Exibition**

10:35am - 11:20am

Symposium I: Sustainability In Healthcare: Value Of Partnership
Speaker : TBC
Chairperson : En. Hareeff Muhammed

11:20am - 11:40am

Lecture 1: TBC
Speaker : TBC
Chairperson : Mr. Tan Kian Shing

11:40am - 12:00pm

Lecture 2: Diagnostic Odyssey Of Rare Disease; Insights From A Clinical Geneticist
Speaker : Prof. David Amor (Australia)
Chairperson : Mr. Tan Kian Shing

12:00pm - 12:20pm

Lecture 3: Clinical Bioanalysis And Molecular Biology (TBC)
Speaker : Prof. Ryunosuke Ohkawa (Tokyo Medical and Dental University (TMDU), Japan) (Virtual)
Chairperson : Mr. Tan Kian Shing

12:20pm - 12:40pm

Lecture 4: Novel Potential Screening Test To Evaluate Iron Status In Blood Donors
Speaker : Dr. Mohd Hilmi Bin Senin @ Nordin (Transfusion Medicine Specialist, Hospital Sultanah Aminah, Johor Bahru)
Chairperson : Mr. Tan Kian Shing

12:40pm - 2:00pm — **Lunch & Booth Exhibition**

2:00pm - 2:45pm — **Plenary 2**

Democratizing Cancer Diagnostics With AI
Speaker : Prof. Wang Xiaomei [CEO PathoAI & Chairman of Global AI Inclusive Network]
Chairperson : Dr. Roziana Ariffin

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Day 1 | 24th September 2024, Tuesday

2:45pm - 3:30pm

Symposium II: Medini
Speaker : Dr. Boo YL (Topic TBC)
Mr. Sandip Kumar (Topic TBC)
Chairperson : Dr. Roziana Ariffin

3:30pm - 3:50pm

Lecture 5: Laboratory Diagnostic in Childhood TB
Speaker : Dr. Zulaikah Mohamed
Chairperson : Dr. Yabitha Vasavan

3:50pm - 4:10pm

Lecture 6: Esophageal Cancer: Predictive Tools
Speaker : Dr. Hans Alexander Mahendran (Head of Unit and Upper GI Surgeon, Hospital Sultanah Aminah, Johor Bahru)
Chairperson : Dr. Yabitha Vasavan

4:10pm - 4:30pm

Afternoon Tea Break & Booth Exhibition

4:30pm - 4:50pm

Lecture 7: Automating The Routine Works, Humanizing The Diagnostics
Speaker : Dr. Afzan Adam (Lecturer, Faculty of Information Science and Technology, UKM)
Chairperson : Dr. Patsy Ng

4.50pm - 5.10pm

Lecture 8: Gynae / Breast Pathology
Speaker : Dr. Sarala Ravindran (Consultant Pathologist, PIL)
Chairperson : Dr. Patsy Ng

5:10pm - 5:30pm

Lecture 9: Whole Genome Sequencing In The UK National Health Service: Wsing Genomics To Drive Transformation In Healthcare
Speaker : Mr. Duncan Baker (Clinical Scientist, Sheffield Diagnostic Genetics Service, UK)
Chairperson : Dr. Patsy Ng

5:30pm

Closing Of Day 1

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Day 2 | 25th September 2024, Tuesday

7:30am - 8:30am
Registration

8:30am - 9:15am
Plenary 3

Genetics Of Disability
Speaker : Prof. David Amor (Australia)
Chairperson : Dr. Saira Bahnu

9.15am - 10.00am
Symposium III: PIL (Molecular Oncology)
Speaker : Dr. Lim Chun Sen - NSCLC (TBC)
Mr. Sayyidi Hamzi - Comprehensive Genomic Portraits: Guiding Personalised Treatment Strategies
Chairperson : Dr. Saira Bahnu

10.00am - 10.20am
Lecture 10: AI Dialogue With WES
Speaker : Dr. Roziana Ariffin (Consultant Genetic Pathologist, PIL)
Chairperson : Dr. Saira Bahnu

10.20am - 10.40am
Lecture 11: Revolutionizing Pathology Analysis : The Power of AI Foundation Models in Healthcare
Speaker : Prof Wang Xiaomei (CEO, PathoAI & Chairman of Global AI Inclusive Network)
Chairperson : Dr. Saira Bahnu

10:40am - 11:00am
Morning Tea Break & Booth Exibition

11:00am - 11:20am
Lecture 12: Improving Genomic Diagnostic Reporting Times Via Strategic Partnerships Between Higher Education And Regional Healthcare Providers
Speaker : Dr. Adam Hodgson (Sheffield, UK)
Chairperson : Prof. Dr. Mohd Nazil

11.20am - 11.40am
Lecture 13: The Specialist Musculoskeletal Genomic Clinical Service: Delivering And Improving Diagnostics For Patients In The UK
Speaker : Mr. Duncan Baker (Clinical Scientist, Sheffield Diagnostic Genetics Service, UK)
Chairperson : Prof. Dr. Mohd Nazil

11.40am - 12:00pm
Lecture 14: (Biochemistry - TBC)
Speaker : Dr Miswar Fattah (President of AACLS & Specialty and Research Laboratory Manager, Prodia Clinical Lab, Indonesia)
Chairperson : Prof. Dr. Mohd Nazil

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PROGRAMME

Day 2 | 25th September 2024, Tuesday

12.00pm - 12.45pm

Symposium IV: Microbiology (MIMLS)
Speaker : Prof. Dr Ashraf Zarkan (University of Cambridge, UK)(Virtual)-(Topic TBC)
Prof. Dr Zamberi Sekawi (Research and Innovation, Universiti Putra Malaysia -(Topic TBC)
Chairperson : Prof. Dr. Mohd Nazil

12.45pm - 2.00pm

Lunch & Booth Exhibition

2.00pm - 2.45pm

Symposium V: Sustainable Diagnostics: Value Based Laboratory Medicine [PIL experience]
Speaker : Ms. Low Yoke Lee (Topic TBC)
Dr. Saira Bahnu (Topic TBC)
Dr. Patsy Ng (Topic TBC)
Chairperson : En. Hareeff Muhammed

2.45pm - 3.05pm

Lecture 15: College of American Pathologists, CAP Accreditation (Singapore)
Speaker : Ms. Xiaocong Wang (Angra)
Chairperson : Ms. Harvinder Kaur

3.05pm - 3.25pm

Lecture 16 : Mental Health (Medini)
Speaker : Dr. Abdul Kadir
Chairperson : Ms. Harvinder Kaur

3.25 pm - 3.45 pm

Lecture 17 : An Overview Of Current Sequencing Technologies And How They Can Assist As Diagnostic Tools For Personalised Medicine
Speaker : Prof Qasim Ayub (Director Genomics Facility & Deputy Head Of School (Research) School of Science, Monash University Malaysia
Chairperson : Ms. Harvinder Kaur

3.45pm - 4.05pm

Lecture 18: Biomedical And Sustainable Healthcare: The Way Forward
Speaker : Assoc. Prof. Dr. Roshan Mascarenhas (Associate Professor And Asst. Dean Of Biomedical Sciences, Newcastle University Medicine Malaysia, Johor)
Chairperson : Ms. Harvinder Kaur

4.05pm - 4.25pm

Afternoon Tea Break & Booth Exhibition

4.25pm - 5.00pm

Prize Giving, Lucky Draw And Closing Of Day 2

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Welcome to the **International Medini Healthcare Conference 2024**, where we explore the future of sustainable diagnostics and its impact on humanity.

Through sessions like various disciplines in laboratory medicine and clinical advancements, attendees will discover how progress in these fields are shaping personalized healthcare and improving treatment outcomes.

Join us as we envision a future where sustainable diagnostics revolutionize healthcare for a healthier world.

CALL FOR ABSTRACTS

01st Aug

Abstract Submission

RM 400

Early Bird Registration

Abstract Submission

For abstract submission, you may send it to

imhconference.2024@gmail.com

For More Info Visit | www.gleneagles.com.my

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ABSTRACT GUIDELINES

1. Abstract must be submitted in English.
2. Abstract must be typed, single spaced in justified alignment. We recommend using 11 pt. Arial font. Please avoid using any other formatting.
3. A title is required. Please use sentence case, capitalize only the first word and any proper names, acronyms or abbreviations; as appropriate. DO NOT capitalize all words or capitalize all letters. The title must be concise and informative.
4. Please provide names of authors and affiliations. Please highlight the presenting author. All presenters must register for the conference.
5. The abstract should include the following subheadings: Background, Methods, Results and Conclusion. Body of the abstract should not exceed 300 words.
6. Please do not include picture or diagram in the abstract.
7. Please do not cite reference.
8. Abstract should be unpublished and original.
9. All abstracts will be presented in the Poster form
10. Save file format as follows: presentation type.presenter name.doc (e.g: Oral presentation.Farah Amalina Zulkufli.doc).
11. Please email the abstract to the conference secretariat at imhconference.2024@gmail.com

ABSTRACT ACKNOWLEDGEMENT

- Once the abstract have been submitted, a confirmation receipt will be sent via e-mail to the abstract submitter.

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ABSTRACT EXAMPLE

Partial trisomy 22(pter-q11.23): Case report of a rare syndrome

Author One[1], Author Two[2], Author Three[3]

[1]Human Genome Center, Universiti Sains Malaysia, [2]Pathology, [3]Paediatrics, Hospital Raja Perempuan Zainab II, Kota Bharu, Kelantan, Malaysia

Background: Chromosome 22q11 region is involved in chromosomal rearrangements that lead to altered gene dosage, resulting in genomic disorders. Cat eye syndrome, partial trisomy 22(pter-q11.23) or der(22) syndrome and Velocardiofacial syndrome/DiGeorge syndrome are genomic disorders associated with four, three and one dose, respectively of parts of 22q11.2. The present study aimed to detect the identity of an extra marker chromosome observed in a 4 months old Malay boy, the firstborn of non-consanguineous parents. He presented with cleft palate, left preauricular pit, bilateral clinodactyly, micropenis and ventriculoseptal defect.

Methods: Peripheral blood lymphocytes were cultured and chromosome preparations were made as per procedures. Karyotype analysis was carried out based on ISCN (2013). FISH analysis was carried out using probes for DGCR 22q11.2 and WCP 22 as per standard procedure.

Results: Cytogenetic analysis carried out in 30 GTG banded metaphases showed 47,XY,+22(pter-q11.23) abnormal karyotype involving an extra derivative chromosome 22 resulting from partial trisomy 22(pter-q11.23) with an additional segment of unknown origin. Molecular cytogenetic analysis employing FISH technique using DiGeorge probe showed presence of 3R signals indicating 3 copies of 22q11.23 region and 2G signals only for long arm terminal region of chromosome 22, confirming the missing 22q13-qter region in the extra chromosome 22. The clinical features and karyotype results are strongly in favour of Emanuel syndrome. However, for further confirmation, FISH study to identify the extra segment on chromosome 22 and parental karyotyping from the carrier parent will be carried out and presented.

Conclusion: Der(22) is a rare syndrome and the case is presented due to its rarity. While the true mortality rate is unknown, longterm survival is possible if the patient survives infancy. Early diagnosis and timely intervention can improve the survival and quality of life.

INTERNATIONAL MEDINI HEALTHCARE CONFERENCE 2024
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SPEAKER'S CV

24th September 2023 (Tuesday)

Time	Topic, Speaker and CV
10:00-10:30	**Plenary Lecture 1:** **A Novel Approach to a Sustainable Healthcare Genomics Workforce** Dr Adam Hodgson Director of The Julia Garnham Centre, Senior Lecturer, School of Biosciences, University of Sheffield, UK and Honorary NHS Clinical Scientist, Sheffield Diagnostic Genetics Service Dr Adam is a Senior Lecturer in Genomics and Cytogenetics. The courses he teaches and the research in his lab are focused on how genetics impacts molecular pathology and healthcare to improve patient outcomes. To achieve this, he works closely with NHS geneticists to develop teaching curriculum, NHS work placements, and clinically focused research projects in functional genomics and clinical diagnostics.
11:40-12:00	**Diagnostic Odyssey of Rare Disease; Insights from a Clinical Geneticist** Prof. David Amor Consultant Clinical Geneticist and Clinician Scientist, Lorenzo and Pamela Chair in Developmental Medicine, University of Melbourne, Australia and Group Leader of the Neurodisability and Rehabilitation Group, Murdoch Children's Research Institute, Australia Professor David Amor is a consultant clinical geneticist and clinician scientist with a research focus on human genetics, and a Galli Chair in Developmental Medicine at the University of Melbourne. He is also a Research Group Leader of Neurodisability & Rehabilitation at the Murdoch Children's Research Institute (MCRI). Prof. David completed RACP training in paediatrics and clinical genetics in 2000 before undertaking PhD studies in chromosome biology completed in 2004. Since 2005, he has worked as a consultant clinical geneticist at the Victorian Clinical Genetics Service (VCGS) which provides clinical and laboratory genetic services across Victoria, Tasmania and the Northern Territory. From 2009-2016, Professor Amor was the Director of VCGS where he led the implementation for the first next generation sequencing test to receive NATA certification and as a flagship leader for Melbourne and Australian Genomic Health Alliances which has been at the forefront of generating evidence for the utility of genomic testing and economic analysis that has provided evidence for Medicare rebate for childhood syndromes and intellectual disability. He is an international leader in gene discovery and the translation of new genetic testing technologies into clinical use. David established the Accelerated Gene Identification Program at MCRI, a 'one-stop shop' for neurodevelopmental gene discovery and clinical research. Since establishment, he has identified 33 causal genes for genetic disorders, and delineated new pathways to disease, including speech disorders. The research has transformed diagnostics, returning genetic results to >1500 individuals. Prof. David contributes his clinical genetic phenotyping and provides clinical genetic diagnoses. He was Co-Director (with Prof Angela Morgan) of a world-first speech genomics clinic at the Royal Children's Hospital in Melbourne established in 2020 - 2023.

12:00-12:20	**Clinical Bioanalysis and Molecular Biology** Prof. Ryunosuke Ohkawa Professor in Analytical Laboratory Chemistry, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU), Japan Professor Ryunosuke Ohkawa is a professor at the Department of Clinical Bioanalysis and Molecular Biology, Graduate School of Medical and Dental Sciences (TMDU), Japan. His main research topics include: Development of a new biomarker to estimate residual risk for cardiovascular disease, Mechanism of HDL diversification and its effect on the character and function, and Molecular mechanism of red blood cell-related lipids metabolism. Prof. Ohkawa is also a board member of JCLS (Japan Association for Clinical Laboratory Science), JSCC (Japanese Society of Clinical Chemistry), and JCCLS (Japanese Committee for Clinical Laboratory Standards), and councillor of JSLM (Japanese of Society of Laboratory Medicine) and Japanese Association of Medical Technology Education. He previously served as corresponding member of Task Force Young Scientists, IFCC (International Federation of Clinical Chemistry and Laboratory Medicine).
12:00-12:40	**Novel Potential Screening Test to Evaluate Iron Status in Blood Donors** Dr Mohd Hilmi Bin Senin @ Nordin Transfusion Medicine Specialist, Department of Transfusion Medicine, Hospital Sultanah Aminah, Johor Bahru Dr Mohd Hilmi Senin earned his MBBS in Newcastle University upon Tyne, United Kingdom in 2011. He received his Master of Medicine: Transfusion Medicine from Universiti Sains Malaysia in 2021. He has been serving Hospital Sultanah Aminah Johor Bahru (HSAJB) since then, to improve the practice of both blood donation and transfusion, in terms of safety, quality and adequacy. One of his humble achievements in HSAJB in clinical transfusion are collaboration with National Blood Centre for mass Red Blood Cells genotyping for transfusion-dependent-thalassemia patients. He has a keen interest in Immunohaematology, a diagnostic discipline which investigates antibody towards blood cells, especially RBC. He had introduced lean management for IH related policies which include omission of test verification for automated GSH tests, stricter policy for red cells elution, employment of additional antibody identification method and mass RBC phenotyping for blood donors. He also was appointed as event coordinator for National Level World Blood Donor Day in 2023, which was officiated by Director General of Ministry of Health.
14:00-14:45	**Democratizing Cancer Diagnostics With AI** Prof. Wang Xiaomei CEO PathoAI and Chairman of Global AI Inclusive Network Xiaomei Wang is the Founder and CEO of PathoAI, an AI medical device company dedicated to build next generation AI-powered technology that unlocks insights from each pathology sample for doctors to optimize patient outcomes. Prior to embarking on the path in entrepreneurship, Xiaomei has led a trail-blazing journey in her 18 years with IBM, emblazoned with first-of-its-kind projects and milestones, and has worked in various continents across the world including North America, Europe, Asia Pacific and South America. Xiaomei is a certified Independent Director, IBM certified Thought Leader, and The Open Group certified Distinguished professional. In addition to be featured in numerous media coverage, Xiaomei is also an accomplished best-selling author with titles such as AI 3.0 and Understanding DB2.

14:45-15:30	**Symposium II: Title TBC** Dr Boo Yang Liang Consultant Internal Medicine Physician, Gleneagles Hospital Johor Clinical Haematologist and Transplant Physician, Hospital Sultanah Aminah, Johor Dr Sandip Kumar A/L Mahendra Kumar Consultant General and Colorectal Surgeon, Gleneagles Hospital Johor Dr Sandip Kumar graduated from University of Manchester in 2000 with MBChB (Honours). He served as an intern before completing his basic surgical training in North West of England and obtaining his membership of The Royal College of Surgeons of Edinburgh in 2003. Subsequently, he returned to Malaysia after a stint as colorectal clinical research fellow in University of Manchester and served as surgical registrar in Hospital Seberang Jaya, Penang for three years. He then undertook his training in University of Malaya before graduating with Masters of Surgery in 2010. He went on to serve as a General Surgeon at Hospital Pakar Sultanah Fatimah, Muar, Johor before his appointment as Senior Lecturer within the Department of Surgery of University Malaya in 2011. He subsequently enrolled in the National Colorectal Fellowship. Dr Sandip Kumar trained in the Colorectal Units of University Malaya and University Kebangsaan Malaysia. He completed his Senior Clinical Fellowship in Colorectal Surgery at the prestigious Cambridge University NHS Trust where he had the opportunity to train under eight colorectal surgeons in the field of laparoscopic (keyhole) colorectal surgery and inflammatory bowel disease. He was then awarded the Fellowship in Colorectal Surgery by the Malaysian Colorectal Surgery Training Board. He is a member of the Association of Coloproctology of Great Britain and Ireland (ACPGBI), member of the European Society of Coloproctology (ESCP) and member of Academy of Medicine of Malaysia. He is actively involved in academic surgical activities, including undergraduate and postgraduate students. He is currently an Instructor for the Advanced Trauma Life Support (ATLS) and Instructor for Care of Critically Ill Surgical Patients (CCrISP).
15:30-15:50	**Laboratory Diagnostic in Childhood TB** Dr Zulaikah Mohamed Scientific Officer (Microbiology), Unit of Tuberculosis and Leprosy, Ministry of Health's Public Health Laboratory (MKA), Johor Bahru Dr Zulaikah earned her PhD in Vaccinology from Universiti Sains Malaysia (USM). She is a Subject Matter Expert in Mycobacteriology and currently working as a Scientific Officer (Microbiology) at the Ministry of Health's Public Health Laboratory (MKA), Johor Bahru.
15:50-16:10	**Esophageal Cancer: Predictive Tools** Dr Hans Alexander Mahendran Head of Unit and Upper GI Surgeon, Hospital Sultanah Aminah, Johor Bahru Dr Hans Alexander Mahendran is a graduate of Universiti Putra Malaysia for his basic medical degree and completed his Master of Surgery postgraduate studies under Universiti Kebangsaan Malaysia in 2011. He served as a surgeon in Sarawak for three years before returning to Peninsula Malaysia to continue subspecialty training in Upper GI Surgery under the Ministry of Health Malaysia. Upon completion, he has been the lead of the Upper GI Surgical Unit in Hospital Sultanah Aminah Johor Bahru since 2017 overseeing service delivery in the southern peninsula of Malaysia. He is also a clinical lead of the Nutrition Support Therapy Team in HSA and continues his work in managing complex

	Upper GI cases. He has authored many publications related to his fields of interests in particular upper GI cancer survival outcomes and clinical nutrition in compromised patients. He is currently a member of the national training committee of Upper GI Surgery and a member of the National Specialist Registry (NSR) subcommittee for Upper GI Surgery. At present he is also the President of the Malaysian Upper GI Surgical Society (MUGIS).
16:30-16:50	**Automating the Routine Works, Humanizing the Diagnostics** Dr Afzan Adam Senior Lecturer, Center for Artificial Intelligence and Technology, Universiti Kebangsaan Malaysia (UKM) Dr Afzan Adam is a Senior Lecturer affiliated with the Center for Artificial Intelligence and Technology at Universiti Kebangsaan Malaysia (UKM). She holds a Ph.D. degree from Leeds University, United Kingdom. Dr. Adam's primary research focus resides in the realm of digital pathology, where she not only engages in cutting-edge investigations but also imparts her expertise in teaching machine learning and image processing skills across diverse domains. A member of the Digital Pathology Association and the Malaysian Board of Technologists, assumes a pivotal role as the Head of Artificial Intelligence for the Digital Pathology Consortium. Furthermore, she actively contributes to the Committee for Malaysian Digital Pathology Guidelines, showcasing her commitment to establishing industry standards. Her digital pathology research projects were closely joint by Hospital UKM's and Pantai Integrated Labs's pathologist; include building platforms and models for screening, detecting and classifying cancer cells for breast, blood, prostate and cervix. She is also involved directly with various e-health research and development projects in the O&G, Ophthalmology, Maxillofacial and Emergency department of Hospital UKM. Beyond digital pathology, her research portfolio extends to machine learning components in image analysis, encompassing areas such as tiny object detection, image encryption, as well as speech recognition and prediction models for both time-series and normal datasets. On top of these, she has been constantly invited for her research talks nationally and internationally.
16:50-17:10	**Gynae / Breast Pathology** Dr Sarala Ravindran Consultant Pathologist, Premier Integrated Labs Dr Sarala is an experienced Consultant Pathologist with a demonstrated history of working in the hospital and health care industry. Strong consulting professional with a FRCPath focused in Histopathology from Royal College of Pathologists and special interests in gynaecological, breast and gastrointestinal pathology.
17:10-17:30	**Whole Genome Sequencing in the UK National Health Service: Using Genomics to Drive Transformation in Healthcare** Mr Duncan Baker Clinical Scientist, Sheffield Diagnostic Genetics Service, UK Mr Duncan Baker is a Lead Clinical Scientist at Sheffield Diagnostic Genetics Service, part of Sheffield Children's NHS Foundation Trust, UK.

Harvinder Kaur Lakhbeer Singh started her career as a medical laboratory technologist in Medical Microbiology in August 1998. Harvinder's interest in biosafety and biosecurity was sparked during the Nipah endemic outbreak, culminating in a master's of science degree in Occupational, Health and Safety Management (UUM Msc). Harvinder has also undergone training and certification by CRDF Global, and is a Registered Biosafety Professional (RBP). Besides, possessing knowledge of many quality issues in the clinical laboratory, including ensuring compliance with all regulatory requirements, she is also well versed in conducting gap analysis, developing, implementing and maintaining a quality management system in the laboratory. Her work with researchers on various infectious diseases has resulted in ISI indexed publications and poster presentations at numerous scientific conferences. She has also had the honour of being an invited guest speaker at seminars and conferences, to share her experiences and knowledge.

Harvinder is also involved in teaching of the medical laboratory technologist students, Biomedical as well as Masters of Pathology (M-Path) students. Harvinder is on the working committee of the Occupational Health, Environmental and Safety Services, (OSHE) of PPUM. She is also on the working committee of University Malaya's Institute of Biosafety and Biosecurity.

Harvinder's credentials also include being appointed on the national level as a Committee Member involved in the Allied Health Profession Act for the Medical Laboratory Technologist Profession in Malaysia and is a registered HRDF Trainer.