



Kulliyah of
MEDICINE
كلية الطب



INTERNATIONAL
VIRTUAL 2023
MEDICAL 
RESEARCH
SYMPOSIUM

**SPEARHEADING RESPONSIBLE
RESEARCH & INNOVATION TOWARDS
ACHIEVING SUSTAINABILITY**

7TH & 8TH DECEMBER 2023

PROGRAMME BOOK

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WELCOMING REMARKS



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ
وَالصَّلَاةُ وَالسَّلَامُ عَلَى أَشْرَفِ الْمُرْسَلِينَ
وَعَلَى آلِهِ وَأَصْحَابِهِ أَجْمَعِينَ

Dear participants and guests,

I am delighted to welcome you to our International Virtual Medical Research Symposium (MRS) 2023. This year's theme is "Spearheading Responsible Research and Innovation Achieving Sustainability." We acknowledge the crucial role that responsible research and innovation play in shaping a world that is not only technologically advanced but also ethically and socially responsible.

The organising committee, led by Assoc. Prof. Dr. Roslina Abdul Rahim has prepared relevant scientific programs to educate academic staff and students on responsible research and innovation for a sustainable future.

We are excited to announce that this year's event will feature an impressive lineup of notable speakers. These include Prof. Emerita Datuk Dr. Asma Ismail from IIUM, Prof. Dr. Joseph Hill from the University of Texas Southwestern Medical Centre, Dr. Nurliza Azzam from G Plus Global, Assoc. Prof. Dr. Rahajoe Imam Santosa from Universitas Ciputra, Prof. Dr. Rahman Jamal from UMBI, and Dr. Keith Siew from UCL. Each of these distinguished speakers will be discussing important topics such as responsible research findings, publications, collaborations, commercialization, and medical cosmic findings, as well as medical education virtual reality.

In addition, we are thrilled to have three exceptional speakers who will be sharing their knowledge and expertise. Professor Dr. Chan Yean Yean from USM will be sharing her insights on how to nurture the next generation in their pursuit of academic excellence. Dr. Muhd. Ridzuan Pauzi, an esteemed alumnus of our institution and the founder of Dr. Ridz Research Centre, will be discussing how to strategise research for successful commercialisation. Lastly, Assoc. Prof. Dr. Chin Kok Yong from UKM will be sharing valuable insights on the role of publications as a catalyst for future research. We hope you will join us for this exciting and informative event.

Let us seize the opportunity presented by this conference to benefit both ourselves and our community. By responsibly utilising the findings of our research, we can pave the way for a bright and sustainable future.

Thank you and Wassalam.

PROFESSOR DR. JAMALLUDIN AB RAHMAN

Dean,

Kulliyah of Medicine, IIUM.

Advisor, International Virtual Medical Research Symposium, 2023

FOREWORD FROM THE CHAIRMAN



In the name of Allah, the most gracious and the most merciful.

On behalf of the organizing committee, it is a delight to inaugurate this auspicious event by extending a warm welcome to all Professors, Associate Professors, Doctors, and esteemed students participating in our International Virtual Medical Research Symposium 2023.

My heartfelt thanks go to the dedicated organizing committees, whose collaborative efforts and efficient teamwork have been instrumental in the seamless planning, organization, and successful execution of our program. I extend sincere appreciation to our esteemed sponsors, including the Department of Ophthalmology (KOM), IIUM Dialysis Centre, and G Plus Global, for their generous contributions to our symposium. May Allah SWT bless your generosity with abundant rewards.

In the current year, we have approved 146 research abstracts originating from IIUM Kuantan Campus and public Universities in Malaysia boasting a collective participation of 219 registered attendees. The primary objective of this symposium is to foster and impart a culture of responsible research and innovation within our academic and student community, ultimately striving for sustainability.

Exciting news awaits everyone! This year, all abstracts from the MRS will be featured in *Medicine and Health*, a journal indexed in the Emerging Sources Citation Index (ESCI). Additionally, the champions of oral presentations will be offered an opportunity to contribute a full article to our SCOPUS-indexed journal, the *IIUM Medical Journal Malaysia (IMJM)*.

Thank you for your involvement in this momentous event. May this symposium play a pivotal role in triggering future collaborations and fostering innovative ideas and partnerships that will shape the trajectory of research and innovations for years to come. Thank you and Wassalam.

ASSOCIATE PROFESSOR DR. ROSLINA ABDUL RAHIM
Head of Responsible Research and Innovation,
Kulliyah of Medicine, IIUM
Chairman, International Virtual Medical Research Symposium 2023

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 - Br. Zaharin Zakaria
 - Br. Yusof Mohamad

SYMPOSIUM ITINERARY

DAY 1 (7TH DECEMBER 2023)

Zoom Links are embedded in the table. Kindly click to join.

TIME	PROGRAMME
0800	Participant to log in (Zoom Link)
0820	<p><i>Welcome Notes by Master of Ceremony</i> Assoc. Prof. Datin Dr. Fa'iza Binti Abdullah</p> <p>Du'a Recitation by Asst. Prof. Dr. Mohd Aizuddin Abd Rahman</p>
0830	<p><i>Welcoming Remarks</i> Prof. Dr. Jamalludin Ab Rahman Dean, Kulliyah of Medicine, and the Advisor of e-MRS 2023</p>
0840	<p><i>Keynote</i> (Zoom Link) Chair: Assoc. Prof. Datin Dr. Fa'iza Binti Abdullah</p> <p>Spearheading Responsible Research and Innovation Towards Achieving Sustainability Prof. Emerita Datuk Dr. Asma Ismail, <i>Ibnu Sina Chair, IIUM</i></p>
0935	<p><i>Plenary I</i> (Zoom Link) Chair: Assoc. Prof. Datin Dr. Fa'iza Binti Abdullah</p> <p>Cardiovascular Diseases: Past, Present, and Future Insights from the Editor-in-Chief of <i>Circulation</i> Prof. Dr. Joseph Hill, <i>University of Texas Southwestern Medical Centre, USA</i></p>
1010	Break
1030	<p><i>Sponsored Talk</i> Virtual Reality in Medical Education Dr Nurliza Azzam <i>G Plus Global</i></p>

e-Poster Presentation

	<i>Clinical Presentation (Zoom Breakout Room A)</i> <i>Chair: Dr. Norbaiyah Bt Mohamed Bakrim</i>	<i>Non - Clinical Presentation (Zoom Breakout Room B)</i> <i>Chair: Dr. Nurulhasanah Binti Mustapar</i>
1050	<p>PC001: The Effectiveness of Online Social Network-Based Intervention for Stress Management Among SASMEC's Nursing Staff <i>Muhammad Izzuddin bin Mohd Rosaimi</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>PNC001: Content and face validation in developing a questionnaire on knowledge and perception of orthopaedic workplace-based assessment among postgraduate orthopaedic trainee. <i>Ahmad Anas Abdul Majid</i> <i>Kulliyah of Medicine, IIUM</i></p>
1056	<p>PC002: Clinical profile and Outcomes of Penetrating keratoplasty in Sultan Ahmad Shah Medical Centre 7 years review <i>Nur Sakinah Bahaman Shah</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>PNC002: The Performance of Ready-To-Use Multiplex Loop-Mediated Isothermal Amplification (Lamp) For Assay Detection of Tick-Borne Diseases <i>Foo Phiaw Chong</i> <i>Institute of Medical Research (IMR), KKM</i></p>
1102	<p>PC003: Profiling the Clinical Characteristics and Bacteriological Spectrum of Hospitalized Hand Infections in a Hand Referral Center <i>Assoc. Prof. Dr. Mohd Ariff Sharifudin</i> <i>Universiti Sultan Zainal Abidin (UnisZA)</i></p>	<p>PNC003: Unraveling the Expression of Urokinase-type Plasminogen Activator Receptor (uPAR) in Hypoxia-induced Breast Cancer <i>Nur Aqilah Huda Ahmad Jamil</i> <i>Universiti Putra Malaysia (UPM)</i></p>
1108	<p>PC004: Branch Retinal Vein Occlusion Post-Phacoemulsification Surgery - A Case Report <i>Wong Hui Xian</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>PNC004: Malay Version of Vaccine Conspiracy Belief Scale (VCBS-M): A Validation Study Among Parents in Kelantan <i>Nur Dalilah Mohd Zin</i> <i>Universiti Sains Malaysia (USM)</i></p>
1114	<p>PC005: Modified Sagittal Costoclavicular Catheter - A Novel Regional Anaesthesia Technique for Catheter Securement Targetting the Brachial Plexus <i>Nur Hazirah Mohamad Nasir</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>PNC005: Mushroom poisoning: New record of neurotoxic Entoloma mastoideum (Entolomataceae, Agaricales) in Sabah (North Borneo), Malaysia <i>Praneetha Palasuberniam</i> <i>Universiti Malaysia Sabah (UMS)</i></p>

1120	<p>PC006: Case Series of Challenging Cervical Fibroid (The Lantern on St. Paul's Cathedral) Managed at Sultan Ahmad Shah Medical Centre @IIUM <i>Muhd Ashraf Bin Ahmad</i> <i>Sultan Ahmad Shah Medical Centre @IIUM (SASMEC @IIUM)</i></p>	<p>PNC006: The Photobiomodulation Effect on L6 Cells Viability and Migration by Different Exposure Duration of 532 nm Low-Level Laser <i>Idris Hud</i> <i>Kulliyah of Science, IIUM</i></p>
1126	<p>PC007: Impacted Maxillary Canine In Orthodontic Clinic: A Retrospective Study <i>Syaza Mohd Noor</i> <i>Pusat Pakar Pergigian Seremban</i></p>	<p>PNC007: Geometric Morphometrics Analysis of Os Coxae Virtual Models for Ancestry Estimation in Malaysia <i>Siti Hanum Mohd Ali</i> <i>Universiti Sains Islam Malaysia (USIM)</i></p>
1132	<p>PC008: Assessment of Pain Control and Patient Satisfaction with Post Operative Acute Pain Management by Primary Care Provider 24 Hours After Discharge from Acute Pain Service <i>Fong Chung Yang</i> <i>Sultan Ahmad Shah Medical Centre @IIUM (SASMEC @IIUM)</i></p>	<p>PNC008: Retinoic Acid Targeting Dgat2 in Non-Alcoholic Fatty Liver Disease Model <i>Nawal Ahmed Mohamed</i> <i>Kulliyah of Medicine, IIUM</i></p>
1138	<p>PC009: Petrous Apicitis and Otogenic Internal Jugular Vein Thrombosis Post Cortical Mastoidectomy: Lessons to Learn <i>Ilyia Ajmal Othman</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>PNC009: The Cytotoxic Effect of Cananga Odorata (CO) Essential Oil on Skin Cancer is not via TP53 Gene Expression Modulation <i>Muhammad Ashraf Fithri Anuar</i> <i>Kulliyah of Medicine, IIUM</i></p>
1144	<p>PC010: Extracranial meningioma: A rare cause of severe epistaxis <i>Walter Lim Yung Chwen</i> <i>Sultan Ahmad Shah Medical Centre @IIUM (SASMEC @IIUM)</i></p>	<p>PNC010: Latent Tuberculosis Among Malaysian Healthcare Workers: Prevalence, Risk Factors & Development of A Personalized Risk Prediction Model <i>Ainul Subaitha Abdul Rahman</i> <i>Kulliyah of Medicine, IIUM</i></p>
1200	<p>Lunch Break / Zuhr</p>	

Symposium I ([Zoom Link](#))

Chair: Assoc. Prof. Dr. Nurjasmine Aida Jamani

- 1400 **Regional Collaboration in Research: Strengthening Partnerships and Knowledge Exchange**
Assoc. Prof. Dr. Rahajoe Imam Santosa,
Universitas Ciputra Surabaya, Indonesia
- 1430 **From Research to Commercialisation: Bridging the Gap for Innovation Success**
Prof. Datuk Dr A. Rahman A. Jamal,
Universiti Kebangsaan Malaysia Medical Molecular Biology Institute (UMBI)
- 1500 **Q&A**
- 1515 **Plenary II** ([Zoom Link](#))
Chair: Assoc. Prof. Dr. Nurjasmine Aida Jamani
- Cosmic Kidney Disease: The Effects of Spaceflight and Galactic Cosmic Radiation on Renal Structure and Function**
Dr. Keith Siew,
University College London
- 1600 Disperse (end of Day 1)

DAY 2 (8TH DECEMBER 2023)

- Zoom Links are embedded in the table. Kindly click to join.

TIME	PROGRAMME								
	<p><i>Symposium II (Zoom Link)</i> Chair: Asst Prof. Dr. Nurul Ashikin Binti Muhammad Musa</p>								
0830	<p>Empowering Knowledge Advancement: Nurturing the Next Generation of Independent Researchers Prof. Dr. Chan Yean Yean, <i>Universiti Sains Malaysia</i></p>								
0900	<p>From Research to Commercialisation: Bridging the Gap for Innovation Success Dr. Muhd. Ridzuan Pauzi, <i>Dr. Ridz Research Centre</i></p>								
0930	<p>One Paper at A Time: Crucial Role of Scientific Publishing In Research Sustainability Assoc. Prof. Dr. Chin Kok Yong, <i>Universiti Kebangsaan Malaysia</i></p>								
	<p><i>Oral Presentation</i></p>								
	<table border="1"> <thead> <tr> <th><i>Clinical Presentation (Zoom Breakout Room A)</i></th> <th><i>Non - Clinical Presentation (Zoom Breakout Room B)</i></th> </tr> </thead> <tbody> <tr> <td> <p>Chair: Dr. Che Ainun Nasihah Ismail</p> </td> <td> <p>Chair: Dr. Mohamed Asri Mohamed Zaini</p> </td> </tr> <tr> <td> <p>1000 OC001: Mild Cognitive Impairment and Its Associated Factors Amongst the Elderly Attending Government Health Clinics in Kuantan Dr Yashdev Atri RK <i>Kulliyah of Medicine, IIUM</i></p> </td> <td> <p>ONC001: Comparative Analysis of Colorectal Cancer Cells Responses to Trail Treatment: Investigation into the Role of Interleukins, Potential Regulators and Mechanisms Zaridatul Aini Ibrahim <i>Universiti Malaya (UM)</i></p> </td> </tr> <tr> <td> <p>1010 OC002: Assessing the Utility of Fibula Length Measurement in Estimating Maximum Femoral Nail Length: A Comparative Analysis with the Standard AO Method Assoc. Prof. Dr. Mohd Ariff Sharifudin <i>Universiti Sultan Zainal Abidin (UnisZA)</i></p> </td> <td> <p>ONC002: Receptor-like molecules (VDR and ICAM-1) genetic polymorphism is associated with dengue infection in Sabah population Rhanye Mac Guad <i>Universiti Malaysia Sabah (UMS)</i></p> </td> </tr> </tbody> </table>	<i>Clinical Presentation (Zoom Breakout Room A)</i>	<i>Non - Clinical Presentation (Zoom Breakout Room B)</i>	<p>Chair: Dr. Che Ainun Nasihah Ismail</p>	<p>Chair: Dr. Mohamed Asri Mohamed Zaini</p>	<p>1000 OC001: Mild Cognitive Impairment and Its Associated Factors Amongst the Elderly Attending Government Health Clinics in Kuantan Dr Yashdev Atri RK <i>Kulliyah of Medicine, IIUM</i></p>	<p>ONC001: Comparative Analysis of Colorectal Cancer Cells Responses to Trail Treatment: Investigation into the Role of Interleukins, Potential Regulators and Mechanisms Zaridatul Aini Ibrahim <i>Universiti Malaya (UM)</i></p>	<p>1010 OC002: Assessing the Utility of Fibula Length Measurement in Estimating Maximum Femoral Nail Length: A Comparative Analysis with the Standard AO Method Assoc. Prof. Dr. Mohd Ariff Sharifudin <i>Universiti Sultan Zainal Abidin (UnisZA)</i></p>	<p>ONC002: Receptor-like molecules (VDR and ICAM-1) genetic polymorphism is associated with dengue infection in Sabah population Rhanye Mac Guad <i>Universiti Malaysia Sabah (UMS)</i></p>
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1020	<p>OC003: Development of Spouse-Inclusive Framework for Digital Management of Perinatal Depression and Anxiety <i>Amalia Kamaruddin</i> <i>Kulliyah of Nursing, IIUM</i></p>	<p>ONC003: Workplace Violence: Exploring the Experience of Workplace Violence Among Healthcare Practitioners in Klang Valley <i>Ezatul Alia Md Emary</i> <i>Hospital Serdang</i></p>
1030	<p>OC004: ICU Liberation (ABCDEF) Bundle Adherence Rate and Associating Factors In Critically Ill Patients <i>Har Siang Thai</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>ONC004: Dosimetry Evaluation Based on Radiation Interaction Probability of Rhizophora Spp. Bonded with Soy Protein Phantom for Medical Physics Applications <i>Nor Ain Rabaiee</i> <i>Kulliyah of Medicine, IIUM</i></p>
1040	<p>OC005: Visual Search Performance of Colour Search Task Between Diabetic Maculopathy with Macular Oedema and Normal Age-Matched Group <i>A'ina 'Adlina Ahmad Sabri</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>ONC005: Directional Cloning of HIV-1 Vpr Gene into Mammalian Expression Vector <i>Nur Amirah Mohd Rozali</i> <i>Kulliyah of Science, IIUM</i></p>
1050	<p>OC006: Burden Among Malaysian Caregivers of Children with Autism Spectrum Disorder (ASD) and its associated factors <i>Dilenkumar Thangaraja</i> <i>Universiti Kebangsaan Malaysia (UKM)</i></p>	<p>ONC006: The Current Provision of Post-Stroke Vision Care in Malaysia: a qualitative interview among stroke-care Professionals <i>Eli Amran</i> <i>Kulliyah of Medicine, IIUM</i></p>
1100	<p>OC008: Prevalence of Female Sexual Dysfunction and its Association with Hormonal Contraception Usage among Postpartum Women in SASMEC@IIUM, Kuantan <i>Zulfadli Mohamad Aris</i> <i>Kulliyah of Medicine, IIUM</i></p>	<p>ONC007: Effects of Kelulut Honey on Female Reproductive Function in Letrozole-Induced Polycystic Ovary Syndrome Rats <i>Datu Agasi Mohd Kamal</i> <i>Universiti Malaysia Sabah (UMS)</i></p>
1110	<p>OC009: Forecasting COVID-19 Case Outcomes in Malaysia: A Machine Learning Approach <i>Nurul Farah Syahidah Mohamad Samuri</i> <i>Universiti Teknologi MARA (UiTM)</i></p>	<p>ONC008: Spatial Autocorrelation and Hotspot Analysis of Notified HFMD Infections in Pulau Pinang, Malaysia between 2017 and 2022 <i>Mohamad Afiq Amsyar Hamedin</i> <i>Universiti Sains Malaysia (USM)</i></p>

1120 **OC010: Prevalence of Biopsy Proven Lupus Nephritis and Outcomes of Their Treatments in Tertiary Center in Kuantan**
Muhammad Syafiq Mohammad Isa
Kulliyah of Medicine, IIUM

ONC009: Schizophrenia and Apolipoprotein: A 10-Year Bibliometric Analysis
Siti Norain Mat Rasid
Kulliyah of Medicine, IIUM

1130

ONC010: The Effect of Mindfulness as the Psychological Intervention on Perceived Stress among Breastfeeding Mothers with Intrauterine Growth Restriction (IUGR) Babies
Siti Khadijah Mohd Bustaman
Kulliyah of Nursing, IIUM

1200 *Prize Presentation and Closing Ceremony* ([Zoom Link](#))
 Chair: *Asst Prof. Dr. Aida Nur Sharini Bt. Mohd. Shah*

Commentary and announcement of the winners from the Head Judge (Clinical)

- Best Oral
- Best E-Poster

Commentary and announcement of the winners from the Head Judge (Non-Clinical)

- Best Oral
- Best E-Poster

Closing Address

Assoc. Prof. Dr. Roslina binti Abdul Rahim
 Chairman, International Virtual Medical Research Symposium 2023

KEYNOTE ADDRESS

SPEARHEADING RESPONSIBLE RESEARCH AND INNOVATION TOWARDS ACHIEVING SUSTAINABILITY

PROF. EMERITA DATUK DR. ASMA ISMAIL

Ibnu Sina Chair,

Kulliyah of Medicine, International Islamic University Malaysia (IIUM)



Responsible Research and Innovation (RRI) represents a paradigm shift in the approach to scientific and technological endeavours, emphasizing ethical considerations, inclusivity, sustainability and planetary health. At its core, RRI transcends traditional research methodologies by adopting the humanity-centric model integrating societal needs, planetary boundaries and values throughout the entire research and innovation lifecycle. This paper outlines the multifaceted approach required to spearhead Responsible Research and Innovation (RRI) towards the overarching goal of achieving sustainability and planetary health.

The paper also delves into the methodology of performing mission-oriented research within the framework of RRI, emphasizing on interdisciplinary collaboration, stakeholder engagement, and the establishment of ethical guidelines. By dissecting the issues and providing insights into effective research strategies and research impact, this paper contributes to the ongoing discourse on fostering responsible and mission-driven research for a more sustainable and inclusive future.

PLENARY 1

CARDIOVASCULAR DISEASES: PAST, PRESENT, AND FUTURE INSIGHTS FROM THE EDITOR-IN-CHIEF OF *Circulation*

PROF. DR. JOSEPH HILL

*University of Texas, Southwestern Medical Centre
United States of America (USA)*



Cardiovascular diseases are the #1 killer of men and women around the globe. At the same time, cardiovascular diseases (CVD) are evolving before our eyes. In some parts of the world, the atherothrombotic manifestations of CVD have largely been tamed; people are surviving their acute coronary syndrome events, their strokes, and their tachyarrhythmia events. Thankfully, these individuals are able to return to family and society, but they do so now with an injured heart and the syndrome of heart failure. In other parts of the world, atherothrombotic CVD remains on the rise.

In this talk, we will review the robust successes we've seen in recent decades and discuss briefly the developments underlying these successes. And whereas we have witnessed major gains, the challenges of CVD are evolving; new problems are emerging stemming to a large extent from the global pandemic of obesity and associated cardiometabolic stress. Furthermore, we are now equipped with a prodigious arsenal of tools to tackle ever-evolving CVD. In many ways, there has never been a more challenging, exciting, and fulfilling time in the realm of cardiovascular medicine and science.

PLENARY II

COSMIC KIDNEY DISEASE: THE EFFECTS OF SPACEFLIGHT AND GALACTIC COSMIC RADIATION ON RENAL STRUCTURE AND FUNCTION

DR. KEITH SIEW

*University College London,
United Kingdom*



Missions into Deep Space are planned this decade. Yet the health consequences of exposure to microgravity and galactic cosmic radiation (GCR) over years-long missions on indispensable visceral organs such as the kidney are largely unexplored.

We performed biomolecular (epigenomic, transcriptomic, proteomic, epiproteomic, metabolomic, metagenomic), clinical chemistry (electrolytes, endocrinology, biochemistry) and morphometry (histology, 3D imaging, miRNA-ISH, tissue weights) analyses using samples and datasets available from 11 spaceflight-exposed mouse and 5 human, 1 simulated microgravity rat and 4 simulated GCR-exposed mouse missions.

We found that spaceflight induces: 1) renal transporter dephosphorylation which may indicate astronauts' increased risk of nephrolithiasis is in part a primary renal phenomenon rather than solely a secondary consequence of bone loss; 2) remodelling of the nephron that results in expansion of distal convoluted tubule size but loss of overall tubule density; 3) renal damage and dysfunction when exposed to a Mars roundtrip dose equivalent of simulated GCR.

This study is the largest to ever look at the effect of spaceflight on kidney function. We have demonstrated that there is renal structural and functional remodelling likely caused by microgravity, probably synergistically with GCR. We have shown that this remodelling is a potential driver of kidney stone formation and many of the changes in the urinary biochemistry of humans and animals experienced by those exposed to spaceflight. We have also shown that acute exposure to simulated GCR causes both acute and chronic tubular epithelial and vascular damage that appears both progressive and irreversible.

SYMPOSIUM I

REGIONAL COLLABORATION IN RESEARCH: STRENGTHENING PARTNERSHIPS AND KNOWLEDGE EXCHANGE

ASSOC. PROF. DR. RAHAJOE IMAM SANTOSA
Universitas Ciputra Surabaya
Indonesia



According to the conference global theme, signifies a commitment to conduct research and innovation that not only advancing scientific knowledge and technology but also contributes significantly to sustainable development by addressing environmental challenges, promoting social inclusion, and fostering economic growth in a responsible and ethical manner. The dynamic knowledge exchange within regional networks, shedding light on how information flows across institutions, ultimately contributing to a collective reservoir of expertise. However, there are some challenges associated with regional collaborations, such as institutional barriers and resource disparities that need to be addressed. Any potential solutions to overcome these obstacles are required to be strategized.

Collaborative research between institutions plays a crucial role in strengthening cooperation and is considered a significant factor in advancing knowledge for all parties involved. Involvement in research is also believed to enhance publication outcomes, which ultimately boosts the university's global ranking. Several factors are used as indicators to determine the QS World University's global ranking, such as academic reputation, staff reputation, faculty-to-student ratio, the percentage of international faculty and students, and the number of scholarly citations per faculty.

School of Medicine, Universitas Ciputra Surabaya was established in 2016 and has collaborated with institutions within the country and institutions abroad. This collaboration is designed to encompass education, research, and community service. In the realm of education, collaborative efforts include guest lecture exchanges, both incoming and outgoing student exchange programs, as well as medical education training for faculty members.

Embarking from the 17 blocks of Sustainable Development Goals (SDG) 2030, the implications of this International Virtual Medical Research Symposium (MRS) 2023 are expected to develop successful framework and creating models of regional collaboration where regional joint research initiatives could produce tangible

outcomes in sustainable and inclusive manner. The overarching goal of Quality Education (SDG 4) is to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. Therefore, regional collaboration through medical research will not only strengthen the partnerships and advancing knowledge but also fostering socio-economic development to contribute the advancement of SDG 4.

In conclusion, this opportunity could inspire further exploration and adoption of regional collaboration. The multifaceted benefits among universities and research institutions within a geographical region will lead to a more comprehensive understanding of regional issues.

SYMPOSIUM I

BIOBANKS AND BIG DATA: UNLOCKING UNTAPPED RESEARCH POTENTIAL FOR SCIENTIFIC ADVANCEMENTS

PROF. DATUK DR. A. RAHMAN A. JAMAL
UKM Medical Molecular Biology Institute (UMBI)
Malaysia



The two key drivers that would accelerate discovery research as well as the application of precision medicine are Biobanks and Big Data. The precision medicine wave is expected to transform healthcare to enable us to give the right treatment to the right patient at the right time.

As teaching hospitals, we are familiar with the Big Data available in our hands whether these are still paper-based or already in the digital format. Millions of datasets and terabytes of data are available from the hundreds of thousands of patients that come to the hospital every year.

There is the opportunity to digitize patients' data through the implementation of the electronic medical record and the spectrum of modules required under the total hospital information system. Once these data (clinical, laboratory, radiological, pharmacy, demography, outcome, etc.) are available, the opportunities for big data analytics are huge and will attract researchers from many disciplines including those from the social sciences.

The biospecimens from the patients, or also population-based, can potentially be collected, processed and stored systematically in well-organized and accredited Biobanks. This will become a valuable resource for discovery research including looking for biomarkers for early detection of diseases such as cancers.

The Biobank and the Big Data together will allow many researchers to unlock many research opportunities and asking plenty of research questions. The sky will be the limit for such research leading to many scientific advancements including new knowledge, new diagnostics and new therapeutics.

SYMPOSIUM II

EMPOWERING KNOWLEDGE ADVANCEMENT: NURTURING THE NEXT GENERATION OF INDEPENDENT RESEARCHERS

PROF. DR. CHAN YEAN YEAN
Universiti Sains Malaysia (USM)
Malaysia



The presentation delves into the world of independent research, with a focus on empowering the next generation of researchers. It addresses the evolving research landscape and the challenges faced by aspiring independent researchers. Key characteristics of successful independent researchers are highlighted, followed by strategies for building a strong research foundation and developing essential skills.

The topic explores the challenges encountered by independent researchers and provides advice on overcoming these obstacles. It emphasizes the importance of collaboration and networking, as well as securing research funding. Additionally, the module covers effective methods for disseminating research findings and navigating the delicate balance between independence and seeking guidance.

In conclusion, this presentation encourages and equips the next generation of researchers to thrive in an ever evolving and competitive research landscape.

SYMPOSIUM II

FROM RESEARCH TO COMMERCIALISATION: BRIDGING THE GAP FOR INNOVATION SUCCESS

DR. MUHD. RIDZUAN PAUZI
*Dr. Ridz Research Centre,
Malaysia*



In the contemporary landscape of research and innovation, the transition from the laboratory to commercial viability is a critical juncture that demands strategic navigation.

The commercialization of research products represents a crucial phase in the innovation continuum, marking the transformation of intellectual capital into tangible societal and economic benefits. The narrative begins by delineating the substantial economic benefits associated with successful commercialization, industry growth and the stimulation of entrepreneurial ecosystems.

As a good researcher, we need to explore the dynamic process of bridging the gap between research outcomes and successful commercialization, aiming to elucidate key factors contributing to innovation success.

The presentation will commence by examining the inherent challenges faced during commercialization journey in order to align research objectives with market demands. By addressing these challenges head-on, researchers know the resilience required for innovation to not only survive but thrive in the marketplace.

SYMPOSIUM II

ONE PAPER AT A TIME: CRUCIAL ROLE OF SCIENTIFIC PUBLISHING IN RESEARCH SUSTAINABILITY

ASSOC. PROF. DR. CHIN KOK YONG
Universiti Kebangsaan Malaysia (UKM)
Malaysia



In academia, sharing scientific discoveries stands as a cornerstone for research sustainability. This presentation delves into the significance of scientific publishing as a pivotal component of research sustainability.

The speaker, drawing from personal experiences, will try to illustrate the instrumental role of scientific publication in ensuring research sustainability. This talk will explore diverse facets of scientific publishing, transcending the mere dissemination of findings. Some of the areas covered range from advancing specific fields of interest to cultivating influential thought leaders.

Additionally, insights will be shared on how scientific publications serve as a powerful medium to influence policy makers, bridge the communication gap with the public, and foster collaboration with industrial partners. Navigating the contemporary landscape of scientific publications is not without its challenges, and the speaker will address these hurdles. The dynamic shifts in this landscape pose both opportunities and obstacles, and the audience will gain valuable perspectives on adapting to this evolving terrain.

Ultimately, the speaker hope that the talk encourages the audience to view scientific publishing as an empowering tool to fulfill the profound mission of an academician/researcher. By the end of this presentation, it is hoped that attendees will embrace scientific publications not as additional pressure but as an indispensable avenue for advancing knowledge and contributing to the broader tapestry of academia.

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1. ASSOC. PROF. DR. AHMAD MARZUKI OMAR (*International Islamic University Malaysia*) - **Head Judge**
2. PROF. DR. RAMLI MUSA (*International Islamic University Malaysia*)
3. ASSOC. PROF. DR. AHMAD FADZLI SULONG (*International Islamic University Malaysia*)

ORAL PRESENTATION (NON-CLINICAL)

1. ASSOC. PROF. DR. SORAYA ISMAIL (*International Islamic University Malaysia*) - **Head Judge**
2. ASSOC. PROF. DR. NORLELAWATI A. TALIB (*International Islamic University Malaysia*)
3. ASST. PROF. DR. FADHILAH ZAINAL ABIDIN (*International Islamic University Malaysia*)
4. ASST. PROF. DR. EDRE MOHAMAD AIDID (*International Islamic University Malaysia*)

POSTER PRESENTATION (CLINICAL)

1. PROF. DR. NASSER MOHAMMAD AMJAD (*International Islamic University Malaysia*) - **Head Judge**
2. ASSOC. PROF. DR. ANEESA ABDUL RASHID (*Universiti Putra Malaysia*)
ASST. PROF. DR. AIDA NUR SHARINI MOHD SHAH (*International Islamic University Malaysia*)
3. *University Malaysia*

POSTER PRESENTATION (NON-CLINICAL)

1. PROF. DR. SIRAJUDEEN KUTTULEBAI NAINA MOHAMED SALAM (*International Islamic University Malaysia*) - **Head Judge**
2. ASSOC. PROF. DR. EDINUR HISHAM ATAN (*Universiti Sains Malaysia*)
3. ASST. PROF. DR. ENGKU NURAI SHAH HUDA E. ZAINUDIN (*International Islamic University Malaysia*)
4. ASST. PROF. DR. KARIMAH HANIM ABD. AZIZ (*International Islamic University Malaysia*)

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