



CONFERENCE BOOK



IHCI
INTERNATIONAL HEALTH
CONFERENCE IUM 2014



INTERNATIONAL HEALTH CONFERENCE IUM (IHCI) 2014 "HEALTH SCIENCES TRANSFORMATION TOWARDS HIGH QUALITY OF LIFE"

3rd - 4th December 2014

Swiss Garden Resort & Spa, Kuantan
Pahang, MALAYSIA



الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
يُؤْتِي بَرِيئَتِي اسْتِغْلَاةً اِنْ تَارَ اِنْجَسَاةً مَلِيئَةً



INTERNATIONAL HEALTH CONFERENCE IIUM
IHCI 2014

“Health Sciences Transformation Towards High Quality of Life”

3rd- 4th December 2014

Swiss Garden Resort & Spa, Kuantan, Pahang,
MALAYSIA

Hosted by:

The Integrated Centre for Research Animal Care and Use (ICRACU)

Co-hosted by:

Department of Basic Medical Science for Nursing (BMSN)
Human Molecular and Cellular Biology Research Cluster (iMoleC)
Integrative Medicine Research Cluster

Acknowledgements

Sponsors

Gold Package



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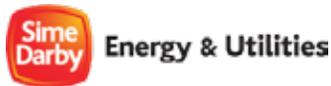


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Tourism Pahang

Special Thanks



Royal Malaysia Police



Fire & Rescue
Department of Malaysia

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The 2nd International Health Conference is continuity from the first IHCI initiated in year 2011 by the Department of Basic Medical Sciences for Nursing (BMSN), International Islamic University of Malaysia (IIUM). It was one of initiatives in introducing BMSN to the community, and particularly to those involved in the medical fields and research.

The first IHCI at once raised the IIUM's name in general and in particular BMSN globally. This year, we aim to organize the second IHCI with a theme of "Health Sciences Transformation towards High Quality of Life" in order to attract more delegates from health professionals in Malaysia and the Islamic community also around the globe. In addition, it is also expected to provide and stimulate latest updates in regenerative medicine, toxicology and criminology, alternative medicine, molecular biology and epidemiology.

This high-profile conference will be a unique opportunity to build the future in the context of globalization and regeneration in medicine taking into account the need to protect health worldwide. It will inform responsible parties and decision makers about the important links between the health of people and their relations with the environment. The conference will bring together participants from both the public and private sectors to analyze the societal benefits, including public health and environment.



Objectives

- a. To discover latest issues and updates in regenerative medicine which is promised brighter hope for uncured illness
- b. To explore recent preventing methods, safety and addiction of toxicology and criminology research to improve safeness of daily life
- c. To learn the applicability, effectiveness and abuse in alternatives medicine in order to expand innovative horizon in treating disease
- d. To incorporate high technology approaches in molecular biology to substantiate the latest findings in widely diverse medical research.
- e. To assemble enormous information of local pandemic and infectious diseases for anticipating future health and epidemiological changes

Participants

Students, health professionals (medical doctors, nurses, dietitians, pharmacists, etc) and scientists whose works are focused on the state-of-the-arts approaches in health and medical sciences.

Educators as well as persons interested in the relationship between religion and medical sciences are welcome to participate.

Topics

1. **AAALAC International:** Updates & Issues in the Care & Use of Animals
2. **Regenerative Medicine:** Issues and Updates
3. **Toxicology and Criminology:** Crime Scene Investigation
4. **Alternative Medicine:** Cupping Therapy in Reducing Cardiovascular Disease
5. **Molecular Biology:** High Technology Approaches - The development of Enzymes as Biosensors
6. **Epidemiology:** Local Epidemic and Pandemic of Emerging Viruses
7. **Collaboration Research:** Transform Health Sciences Towards High Quality of Life

GREETINGS

from the President

السلام على من عرفه الله وكنى عنه



In the name of Allah, the Most Gracious, the Most Merciful

Alhamdulillah, praise be to Allah subhanahu wata'ala for granting us the opportunity to organize this big conference again. This is our second International Health Conference (IHC), which I hope will be a landmark event for ICRCACU and the University.

The conference aims to gather all the scientists and academicians in a various field of health sciences to share their knowledge, research findings at both theoretical and practical levels and expertise to discover latest issues and updates related to the population health. The world nowadays has become more challenging because human civilization has reached a high degree of complexity which are characterized by globalization, competition, interdependence and advanced technology.

I am sure that this conference promised brighter hope for the betterment of nations' life which is in line with our theme "Health Sciences Transformation towards High Quality of Life". I would like to take this opportunity to bid welcome all speakers, paper presenters and participants to this conference and wish all of you a fruitful event.

Thanks and congratulations to the organizing committees, sponsors and delegates who have contributed to the organization and success of this conference. I pray to Allah subhanahu wata'ala to guide us in our work for the betterment of the nation.

Thank you and wassalam.

Tan Sri Dato' Seri Utama Dr. Rais Yatim
President, International Islamic University Malaysia

GREETINGS

from the Rector

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



*"aiming to improve
the well-being of
mankind"*

Dear Conference Participants:

Praise be to the Almighty Allah (swt), for granting us the opportunity to organize the International Health Conference (IHCI) 2014 in Swiss Garden Resort & Spa, Kuantan Malaysia.

International Islamic University Malaysia (IIUM) is honored to be the host of this prestigious biennial conference. It is therefore a great pleasure to Welcome all of you, speakers, presenters and participants who come from all corners of the globe to this auspicious conference.

This conference is a timely event, bringing together leading scholars in the field of medical and health sciences, aiming to improve the well-being of mankind, and in particular in terms of better quality of life.

On behalf of the university, I would like to take this opportunity to thank the organizing committees, ICRCACU, the co-host and everyone whom directly or indirectly working to ensure the success of this conference.

I pray to Allah (swt) to bless this conference with His mercy and bounties, I wish you all the best and hope your presence in Kuantan will be a memorable one.

With warmest personal regards,

Prof. Dato' Sri Dr. Zaleha Kamaruddin
Rector, International Islamic University Malaysia

GREETINGS

from the Deputy Rector

Research & Innovation IIUM

السَّلَامُ عَلَيْنَا وَمَعَ الْوَالِدِينَ وَالْأَقْرَبِينَ



Alhamdulillah, all praises be to Allāh subhānahū wataālā.

I am delighted to see Integrated Centre for Research Animal, Care and Use (ICRACU), IIUM has successfully organised this International Health Conference (IHCI) 2014. I hope that the participants have benefitted from the various activities provided, and have time to enjoy Kuantan too.

What is most important is to ensure knowledge is used and shared. This way the chances of generating new knowledge and its applications are greater.

Congratulations to everyone and all parties involved to make this wonderful conference a success.

Thank you. Wassalām.

Prof. Mohamed Ridza Wahiddin, Ph.D, DSc
Deputy Rector, Research & Innovation
International Islamic University Malaysia

INTEGRATED CENTRE FOR RESEARCH ANIMAL, CARE & USE

Message from ICACU Director

السلامة على منور محمد الله وكنى



It gives me great pleasure in welcoming all delegates to the International Health Conference (IHCI) 2014. To the international invited guest and delegates, "Selamat Datang" and I bid you a warm welcome to Malaysia and in particular to the city of Kuantan, Pahang.

Having been being to host this health conference is both an honour and a challenge for the ICACU, IUM. This has been made possible by the group of dedicated members who comprised the organizing committee. All their hard work for the past one year or so has come to fruition today. The conference along with the two days pre-conference workshops aimed to disseminate cutting edge scientific knowledge in the area of cellular and biomolecular, as well as possible alternatives to animal experimentation among others. This conference has come at the right time as Malaysia intends to be an important player in the field of biomedical and biotechnology research in which research using animal models plays a very importance role.

The ICACU is a cadre of highly trained, empowered professionals committed to advancing the research and teaching missions of the University. Our integrated team of biomedical scientists, laboratory animal technicians, science officer, veterinarians, and administrative professionals provides IUM Kulliyah's, staff, and students training and support in the use of laboratory animals. For Malaysia, the proposed Animal Welfare Act is another very important aspect of animal research that Malaysia scientist must look into is the welfare of research animals and the ethics of carrying out research using animals. Excellence in animal care is also one of our primary objectives. The ICACU has been continuously committed to get an accreditation by the AAALAC International. Our team is committed to providing and maintaining exemplary standards of animal care through effective resource management. We are equally committed to balancing animal welfare and investigator needs. We readily understand that "great science" and "great animal care" go hand in hand.

Finally to those who have come from overseas, please take some time to enjoy the many fascinating things that Malaysia has to offer. Thank you for your support and have a pleasant stay.

Asst. Prof. Dr. Ridhwan Abdul Wahab
Director, ICACU

Message from the Organizing Chairperson

السلام عليكم ورحمة الله وبركاته



Alhamdulillah, after many meetings, discussion and coordination effort IHCI 2014 is now before us.

Let me take this opportunity to thank the members of organizing committee for their relentless efforts in organizing this event. The cooperation from all parties has facilitated the efforts.

Since this is the second International Health Conference, IIUM 2014, it will be used as a platform to attract more delegates from health professionals in Malaysia and the Islamic community also around the globe. In addition, it is also expected to provide and stimulate latest updates in regenerative medicine, toxicology and criminology, alternative medicine, molecular biology and epidemiology.

Thank you to all the plenary speakers, oral and poster presenters, participants and contributors. I wish this event will be organized again and become one of the programs in ICRAU yearly calendar.

Thank you and wassalam.

Asst. Prof. Dr. Muhammad Lokman Md Isa
Chairman, IHCI 2014



Organizing Committee

Advisor: Asst. Prof. Dr. Ridhwan bin bdul Wahab
Chairman: Asst. Prof. Dr. Muhammad Lokman Md. Isa
Deputy Chairman: Assoc. Prof. Dr. Laith Issa Yassin Al- Araj
Treasurer: Asst. Prof. Dr. Muhammad bin Ibrahim
Executive Secretary: Sr. Muzaitul Akma Mustapa Kamal Basha
Assistant Secretary: Sr. Shahidah Shafi

Scientific Committee

Coordinator : Br. Sinan Mohammed Abdullah Al-Mahmood
 Assistant Secretary : Sr. Hawa Hasimah Abdul Rahman

Pre-conference Workshop

Stingless bee II : Assoc. Prof. Dr. Samsul Deraman
 Animal Tissue Culture : Asst. Prof. Dr. Mardiah Mohammad
 Biostatistics : Sr. Farrah Ilyani bt Che Jamaludin

Registration / Finance

Coordinator : Sr. Wan Hasliza Wan Mamat
 Assistant Secretary : Sr. Noor Suhaida Mohd Fadhil
 Subcommittee : Sr. Nurul Aini bt Samuri
 Br. Isma Syahril bin Ismail

Publicity/ Technical

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 Assistant Secretary : Sr. Norrul Afzan Zainal Abidin
 Subcommittee : Br. Mohd Azri bin Abd Jalil
 Br. Mohd Waliuddin bin Wahid
 Sr. Farrah Ilyani bt Che Jamaludin
 Br. Tengku Muhamad Faris Syafiq bin Tengku Zakaria
 Br. Azmir bin Ahmad

Welcoming Remarks/ Logistics

Master of Ceremony : Dr. Ibrahim Adham b Taib
 : Asst. Prof. Dr. Zaitunatkhin bt Ramli
 Floor Manager : Br. Muhammad Hidayatullah b Yusof
 Subcommittee : Br. Nuaim bin Wan Zulkipli
 Sr. Shidqiyyah bt Abd Hamid

Promotion and Preparation

Subcommittee : Sr. Nurhazirah bt. Zainul Azlan
 Sr. Hawa Hasimah Abdul Rahman

Sub-committees

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 : Br. Muhammad Safwan bin Ruslan
 : Br. Nik Ahmad Zaquan bin Hamad
 : Sr. Noor Faizah bt Kamarudin
 : Sr. Noorashikin bt Abdul Haleem



Conference Itinerary

Day 1 - 2nd December 2014 | **Tuesday**

1600 - 2100 **Registration & Information desk**

Day 2 - 3rd December 2014 | **Wednesday**

0800 - 0830 **Registration & Arrival of participants**

0830 - 0850 **Arrival of VIP's, National Anthem & IIUM Songs**

0850 - 0855 **Recitation of Doa**

0855 - 0905 **Conference Briefing**

0905 - 0935 **Demonstration Session: Forensic Unit, Royal Malaysia Police**

0935 - 0950 **Welcoming Remark**
Asst. Prof. Dr Muhammad Lokman Md Isa
Chairperson, IHCI 2014

Official Opening
Hon. Prof. Dato' Sri Dr. Zaleha Binti Kamarudin
(Rector, IIUM)

Venue: Grand Ballroom

0950 - 1000 **Exhibition Booth Visit**
Venue: Ballroom Foyer

1000 - 1100 **Poster session I and Coffee-break**

1100 - 1200 **Plenary Session I**
Venue: Grand Ballroom
Chairperson: Asst. Prof. Dr. Muhammad Bin Ibrahim

Keynote Speaker #1 – *Professor Dr Ahmad Faris Ismail*
“Collaboration Reseach: Transform Health Sciences Towards High Quality of Life”

1200 - 1300 **Lunch Talk :** *Dr. Thuan D. Bui, CEO i-DNA Biotechnology Pte Ltd*

1300 - 1400 **Lunch Break**



CONCURRENT SESSION I

1400 - 1500	<p>Keynote Speaker #2 – <i>Professor Abu Bakar Salleh</i> <i>“Molecular Biology: High Technology Approaches”</i></p> <p>Chairperson: Assoc. Prof. Dr. Solachuddin J.A. Ichwan Venue: Grand Ballroom</p>

1500 - 1615	<p>Oral Session II : Molecular Biology</p> <ol style="list-style-type: none"> 1. Haiyuni Binti Mohd Yassim - <i>Human Cumulus Cells (CCs) Gremlin 1 Gene Expression In Assessment of Oocyte Quality (IIUM)</i> 2. Lailatuljalilah Mohd Ridah - <i>Detection of P16INK4α(P16) Methylation in Diffuse Large B-Cell Lymphoma Using Methylation-Specific PCR (IIUM)</i> 3. Yukmil Amru Bin Salleh - <i>Identification Gene Expression of Hyaluric Acid Synthase 2 (HAS2) In Human Cumulus Cell as a Marker for Oocyte Quality (IIUM)</i> 4. Nik Mohammad Faez Bin Nik Osman - <i>Identification of BRCA1 Tumor Suppressor Gene Expression As A DNA Repair Gene From Frozen Cleavage Embryo Cell at IIUM Fertility Centre (IIUM)</i> 5. Dato' Paduka Syed Isa Syed Alwi - <i>High Value Added Products from Haematococcus Pluvialis; Astaxanthin for Human Health and Nutrition (Algaetech International Sdn Bhd, Malaysia)</i>

1400 - 1500	<p>Keynote Speaker #3 – <i>Dr. Montip Gettayacamin</i> <i>“AAALAC International: Updates and Issues in the Care & Use of Animals”</i></p> <p>Chairperson: Asst. Prof. Dr. Noor Faizul Hadry Bin Nordin Venue: Jasmine Ballroom</p>

1500 - 1630	<p>Oral Session III : Collaboration Research</p> <ol style="list-style-type: none"> 1. Mai Nurul Ashikin Taib - <i>Imagery-induced Relaxation as a Psychological Intervention Tool in Children with Cancer (IIUM)</i> 2. Maryam Abimbola Mikail - <i>Baccaurea angulata Fruit Juice Modulates Cholesterol-induced Atherosclerotic Markers in Experimental Rabbits (ICRACU)</i> 3. Fadilah Ab Hamid - <i>Retinal Vasculature Fractal Dimension: What Does It Measure? (IIUM)</i> 4. Idris Adewale Ahmed - <i>Baccaurea angulata Fruit Inhibits Lipid Peroxidation and Induces the Increase of Antioxidant Enzymes Activities (ICRACU)</i> 5. Ajeet Jaiswal - <i>Study The Relation Between Accidents, Sleepiness and Exhaustion in Indian Textile Industrial Workers (Pondicherry University, India)</i> 6. Dr. Sheikh Muhammad Abu Bakar - <i>Positive Correlation Between The Number of Mucosal Glands and The Thickness of The Wall of The Appendix in Adult Males of Bangladeshi Populations (University of Malaya).</i>

1630 - 1800	<p>Poster Presentation and Judging (Session II & III) <i>Topic : Molecular Biology & Collaboration Research</i></p> <p>Tea-break</p>



Day 3 - 4th December 2014 | **Thursday**

CONCURRENT SESSION II

0830 - 0930	Keynote Speaker #4 – Professor Wing-Hong Seto <i>“Local Epidemic and Pandemic of Emerging Viruses”</i>	
	Chairperson: Assoc. Prof. Dr. Laith Issa Yasin	Venue: Grand Ballroom
	Oral Session IV : Epidemiology	
0930 - 1100	1. Mohd Ariff Sharifudin - <i>Morbidity and Mortality Associated With Tumour-related Hindquarter Amputation: A Review of 23 Cases (IIUM)</i>	
	2. Karl Peltzer - <i>Nocturnal Sleep Problems Among University Students From 26 Countries (ASEAN Institute for Health Development, Madidol University)</i>	
	3. Asmalita Syaiful - <i>Determination of Access to Medicines For Children Living in Poor Households of Peninsular Malaysia (Universiti Sains Islam Malaysia)</i>	
	4. Sinan Mohammed Al-Mahmood - <i>Quality of Life among Patients with Diabetic Neuropathy Pain in HTAA (IIUM)</i>	
	5. P.W.P.W.K. Pallewaththa - <i>Change behavioral Intentions on Sexual Practice Among Three-Wheeler Drivers in Anuradhapura Town, Sri Lanka (Rajarata University, Sri Lanka)</i>	
	6. Lailuma Momand - <i>Bactericidal and Bacteriostatic Effects of Baccaurea Angulata Fruit Extracts on Human Pathogens (IIUM)</i>	
0830 - 0930	Keynote Speaker #5 – Professor Dr. Abdul Aziz Al-Safi <i>“Cupping Therapy in Reducing Cardiovascular Diseases”</i>	
	Chairperson: Assoc. Prof. Dr. Mohd. Aznan Bin Md. Aris	Venue: Jasmine Ballroom
0930 - 1100	Oral Session V : Alternative Medicine	
	1. Prof. Dr. Siti Amrah Sulaiman - <i>Alternative Medicine : Applicability, Effectiveness and Abuse (USM)</i>	
	2. Alfi Khatib - <i>Evaluation of Anti-diabetic Properties of Cosmos caudatus Kunth Leaves in Obese-diabetic induced Rat Using Metabolomics Approach (IIUM)</i>	
	3. Ovais Ullah Shirazi - <i>Assessment of Antioxidants in Cold Water Extracts from Mixed Spices Formulation (IIUM)</i>	
	4. Muhammad bin Ibrahim - <i>Effect of Baccaurea angulata Fruit Juice on Serum Lipid Profile, Renal and Liver Function Tests of Normal and Hypercholesterolemic Rabbits (IIUM)</i>	
	5. Siti Fadhlina Halipah - <i>Screening of Polyamines in Selected Malaysian Medicinal Plants (IIUM)</i>	
	6. Irfan Mohamad - <i>Antifungal Effect of Malaysian Neem Leaf Extract on Selected Fungal Species Of Pathogenic Otomycosis in in-vitro Culture Medium (USM)</i>	
1100 - 1130	Poster Presentation (Session IV, V, VI & VII) <i>Topic : Epidemiology, Alternative Medicine, Regenerative Medicine & Toxicology and Criminology</i>	
	Coffee-break	



CONCURRENT SESSION III

1130 - 1230 **Keynote Speaker #6 – Professor Kyung-Sun Kang**
“Regenerative Medicine: Issues and Updates”
Chairperson: Assoc. Prof. Dr. M. Taher Bin Bakhtiar **Venue:** Grand Ballroom

1230 - 1345 **Oral Session VI : Regenerative Medicine**

1. Aziee binti Sudin - *Integrin Alpha-6 (ITA6) And CD9 Specific Protein Surface Markers Detection of Spermatogonial Stem Cell (SCCS) in Azoospermic Patient Using Immunofluorescence Staining (IIUM)*
2. Nur Azira Alwi - *Skeletal Malformations in Fetus From Rodents Fed Ficus Deltoidea Aqueous Extract During The Late Gestation Period (UPM)*
3. Zuraini Ahmad - *Inhibitory Effect Of Asiatic Acid on Tumour Necrosis Factor-a-Induced Inflammation in Human Aortic Endothelial Cells (UPM)*
4. Rozlin Abd Rahman - *The Use Of Poly (Lactic-Co-Glycolic Acid) And Fibrin Scaffolds For Articular Cartilage Tissue Engineering (IIUM)*
5. Nur Fatin Aqilah R - *Wharton’s Jelly-Derived Mesenchymal Stem Cells (WJMSC) Inhibit Proliferation of Human Umbilical Vein Endothelial Cells (HUVEC) In Tumoural Angiogenesis Model (USIM)*

1130 - 1230 **Keynote Speaker #7 – Senior Asst Comm. of Police Dr Yew Chong Hooi**
“CSI: Crime Scene Investigation”
Chairperson: Asst. Prof. Dr. Said Nurumal **Venue:** Jasmine Ballroom

1230 - 1345 **Oral Session VII : Toxicology & Criminology**

- 1 Rafiqah Azira, M.R. - *An Assessment Of Indoor Air Quality (IAQ) And Microbial Contamination in Serving Food via Water Mist Aerosol at Public Restaurants (IIUM)*
2. Dahiya A - *Fixed Dose Drug Combinations in India - A to Z Analysis (Maulana Azad Medical College, New Delhi)*
3. Norma S - *Hotel Restaurant Shut Over Possible Link With Food Poisoning Cases (Kuala Lumpur and Putrajaya Federal Territory Health Department, Kuala Lumpur)*
4. Muhammad Amin Bujang - *A Trend Analysis Of Commercial Crimes In Malaysia (USM)*

1345- 1430 **Lunch-break and exhibit session**

1500 - 1600 **Poster Judging (Session IV, V, VI & VII)**
Topic : Epidemiology, Alternative Medicine, Regenerative Medicine & Toxicology and Criminology



1600 - 1630 **Concluding Remarks**
Closing Ceremony
Professor Mohamed Ridza bin Wahiddin
(Deputy Rector, Research & Innovation, IIUM)
Venue: Grand Ballroom

1630 - 1700 **Demonstration Session:** *Fire & Rescue Dept. of Malaysia*

1700 - 1800 **Certificate Collection**
Refreshment



Speakers

Prof Dr Ahmad Faris Ismail

Professor in Engineering,
International Islamic University Malaysia

Prof Abu Bakar Salleh

Professor in Biotechnology
Universiti Putra Malaysia

Dr Montip Gettayacamin

Regional Director for Southeast Asia AAALAC

Prof Wing-Hong Seto

Professor in Microbiology and Infection Control
Queen Mary Hospital, Hong Kong

Prof Dr Ab Aziz Al-Safi Ismail

Professor in Epidemiology of Non-Communicable Diseases,
Diabetes, & Clinical Trial, University Sains Malaysia

Prof Kyung –Sun Kang

Director of Adult Stem Cell Research Centre
Seoul National University

Senior Asst Comm of Police Dr Yew Chong Hooi

Commandant Royal Malaysia Police College
Kuala Lumpur



Keynote 1

“Collaboration Research: Transform Health Sciences Towards High Quality of Life”



Professor Dr Ahmad Faris Ismail

*Kulliyah of Engineering,
International Islamic University MALAYSIA*

Prof. Dr. Ahmad Faris Ismail is a Professor of Engineering at the International Islamic University Malaysia (IIUM). He was the IIUM Deputy Rector (Research & Innovation) from July 2009 until June 2013. He served as the Dean of Engineering from 1997 until 2009, and was also the Co-chairman of the Malaysia Council of Engineering Deans from 2007-2009. He obtained his B.Sc. in Chemical Engineering, in 1988, from the University of Houston, Texas, USA, and Ph.D in Engineering from Rice University, USA, in 1993.

Prof. Ismail received the Federation of the Universities of the Islamic World's Tribute –'Personality Having Contributed to the Development of Islamic University Education,' in 2008. He was a Visiting Academic at the University of Southern Queensland from January until June 2014 and he was a Visiting Scientist' at the Graduate School of Engineering, Kyoto University, Japan, in 2004. He has been serving as a member of the evaluation committee for the Fundamental Research Grant Scheme and the Science Fund since 2006. He is also the Chief Editor of the IIUM Engineering Journal.

He has been a keynote speaker at various international conferences and congresses, and has conducted a number of workshops. Prof. Ismail is also a co-inventor for at least eight filed patents of research products at the university and has published more than 150 papers in refereed journals and conference proceedings. His research topics include energy and environment, computational fluid dynamics, combustion, and nanofluids.



Keynote 2 *“Molecular Biology: High Technology Approaches”*



Professor Abu Bakar Salleh

*Faculty of Biotechnology and Biomolecular Sciences,
Universiti Putra MALAYSIA*

Abu Bakar Salleh graduated with B.Sc. (Biochemistry) from the University of Western Australia and Ph.D (Biochemistry) from University of St. Andrews, Scotland. He has been a lecturer at Universiti Putra Malaysia (UPM) since 1979. He was promoted to Associate Professor in 1988 and to a Professor in 1994. Research and Development (R&D) has always been his forte. He initiated the Enzyme and Microbial Technology Research group in 1986 at UPM and has developed it into a model R&D team and is now recognized as a Center of Excellence in the University. He is a prolific writer and has published more than 280 papers in cited journals, and has authored or co authored more than 400 papers presented at national and international seminars. He has 8 approved patents to his name and another 30 pending patents filed. He has also won awards at international and national levels, including Gold and Silver medals at the International Exhibitions and Inventions of New Techniques and Products, Geneva, ITEX and IPTA S & T Exhibitions. As such, Prof. Bakar is a well-known figure in the R&D scene. His expertise is sought by the scientific communities. Currently, on Scopus, his H-index is 26 with a citation of 2459. He was listed as a leading scientist in the area of Biosciences in the Wise Index of Leading Scientists and Engineers of OIC

Administratively he has been a Head of Department, a Deputy Dean (Research), and a Director, of the Institute of Bioscience (IBS), a multidisciplinary research center. He was the founding Dean of the Faculty of Biotechnology and Biomolecular Sciences, and was the Deputy Vice Chancellor (Research & Innovation), where he was instrumental in enhancing Research, Development & Commercialization at UPM, sustaining and enhancing its position as a leading research University in the country. He has been a consultant for MIGHT and MTDC (IGS). He is actively involved in research programme at the Molecular Biology Cooperative Centre and the Industrial and Environmental Cooperative Centre, under the National Biotechnology Directorate. He is now a Senior Research Fellow at the Malaysian Genome Institute. He is a long standing Senate member in various capacities and currently a member of the University Board of Directors.

He is also involved in the preparation of the proposal for ‘Biovalley’ and the national Biotechnology research institutes. He was the Biotechnology contact person for UPM and had been a key member in the development of The Rainforest Academy at UPM. He was a member of the drafting committee for the National Biotechnology Policy as well as the secretary of the Committee for Strategic Planning for the Nobel Prize Award set up by the Academy of Science, Malaysia. He was once the Chairman of the Governing Board SEAMEO-BIOTROP based in Bogor, Indonesia. More recently he has been instrumental in the formation of the Malaysian Citation Center.



Keynote 3 “AAALAC International: Updates and Issues in the Care & Use of Animals”



Dr. Montip Gettayacamin, DVM, DACLAM

*Senior Director for Southeast Asia,
AAALAC International*

Dr. Montip Gettayacamin is Senior Director for Southeast Asia at the Association for Assessment and Accreditation of Laboratory Animal Care International (AAALAC International). Dr. Montip received her veterinary medicine degree from Chulalongkorn University, Bangkok, Thailand in 1984. She is board certified in laboratory animal medicine. She has over 25 years of experience in Laboratory Animal Medicine and previously served as Assistant Chief for Research and Laboratory Animal Medicine and Senior Research Scientist at Department of Veterinary Medicine, United States Army Medical Component, Armed Forces Research Institute of Medical Sciences (USAMC-AFRIMS), Bangkok, Thailand. She is a former member of AAALAC International Council on Accreditation. Dr. Montip is a reviewer of Journal of Visualized Experiments (JoVE) and a member of Editorial Board of BioMed Research International Journal.



Keynote 4 *“Local Epidemic and Pandemic of Emerging Viruses”*



Professor Wing-Hong Seto
School of Public Health
The University of Hong Kong

Professor WH Seto played a key role in initiating Infection Control in Hong Kong and started the local training course for Infection Control Practitioners in 1985. He is involved extensively in Infection Control education throughout China and the region and is the Founding President of the Asia Pacific Society of Infection Control. Besides being Honorary Professor for the University of Hong Kong and the Hong Kong Polytechnic University, he is also a visiting professor for the University of New South Wales. He was conferred honorary professorships by several universities in China including Honorary Professorship for Infection Control by the Military Postgraduate Medical College, PLA General Hospital (301) and the People’s Liberation Army of China has in addition appointed him honorary consultant for Infection control in 1999. He is also the past Chairman of the Infection Control Scientific Committee of the “Centre for Health Protection” in Hong Kong. Presently and has authored over a hundred research papers including the book “Infection Control for the Asian Healthcare Worker”. Many international societies had invited him to speak on Infection Control and they include the ICC, ICID, CDC (USA), ASM (USA), ICN (UK), Hospital Infection Society (UK), APIC (USA), SHEA (USA) and ICNA (Australia).

The WHO has also regularly assigned him as advisor for various projects in Infection Control, Antibiotics Resistance and a core group member for the WHO Hand Hygiene guideline. He is also a member of the Emergency Committee of the IHR of the WHO, member of the Infection Control International Network and Director of the WHO Collaborating Centre for Infection Control in Hong Kong (In designation). He is also awarded the “Bronze Bauhinia Star” in 2004 and “Silver Bauhinia Star” in 2011 from the Hong Kong Government for his work in Infection Control in Hong Kong. In view of his years of involvement in Infection Control, he is also active in the related field of Quality Healthcare Management and is presently the President of the Asia Pacific Society of Quality Healthcare. Recently, for 2013 he is made a Meritorious Member of ISC and also awarded The Yen Award for outstanding research in Infections Disease.



Keynote 5 *“Cupping Therapy in Reducing Cardiovascular Diseases”*



Professor Dr Abdul Aziz Al-Safi *School of Medical Sciences* *University Sains MALAYSIA*

Prof. Dr Ab. Aziz Al-Safi Ismail was born in Pasir Puteh, Kelantan and has received his primary and secondary education at Sekolah Kebangsaan Padang Pak Amat and Sekolah Menengah Tok Janggut respectively in same town. After completing his secondary education in 1975, and matriculation in 1976; he joined the National University of Malaysia (UKM) to pursue Medical Degree. After graduation he worked as Medical Officer of Health at various Health Centers in Kelantan. He obtained his post-graduate degree in Public Health in 1990 and PhD in Epidemiology in 1998.

His interest in medical research started since his medical school days when he studied health determinants of a group of farmers in rural Malaysia. He continued to conduct researches, especially health system researchers, in several places where he worked. In 1990, he conducted a research project on risk factors for typhoid fever amongst school children in Tumpat District, Kelantan. This became part of his Master's thesis. In 1990 when he joined the PPSP as a trainee lecturer, he conducted a case control study to determine risk factor of cancer of cervix in Kelantan. To strengthen his knowledge and experience in medical research, he went for further study at PhD level, in The University of Liverpool, UK.

Prof Aziz al-Safi focused his research in diabetes in 3 main areas. The first is the study of diabetes as a chronic non-communicable disease model – he has learnt an enormous amount about this speciality area and has attended regular meetings of the British Diabetic Association and The European Association for the Study of Diabetes. He worked in the Walton Hospital Diabetes Center, South Sefton, Liverpool, investigated medical and personal problems of the patients, actively participate in Clinical trials and worked closely with the hospital administration. Secondly he has become a pioneer and national expert in the field of “capture-recapture” techniques in the epidemiological assessment of diabetes prevalence. Finally, he has investigated in detail coronary risk factor (lipids, smoking, hypertension etc) in relation to Type 2 diabetes.



Keynote 6 “Regenerative Medicine: Issues & Updates”



Professor Kyung-Sun Kang, DVM
*Director of Adult Stem Cell Research Centre
College of Veterinary Medicine
Seoul National University*

Professor Kyung- Sun completed his PhD in 1993 from Seoul National University and his Post- doctorate in 1996 from Michigan State University, USA specialized in Breast Cancer and Stem Cell Biology. From 1996-1997 he was an assistant Professor of College of Human Medicine, Michigan State University, USA. From 1997-1998 he was a visiting Researcher of National Institute of Health Science, and since 2002 till present he is a Professor in College of Veterinary Medicine, Seoul National University Korea. He also serves as an advisor for Korean Food and Drug Administration, Government Evaluation committee member for Korean Food and Drug Administration(KFDA), Advisory board member, Ministry of Health, Korea.

Between 2005 and 2011 he was the Project Leader of Umbilical Cord Blood-derived Multipotent Stem Cell Research Project and Public Umbilical Cord blood Bank supported by Seoul City. And from 2010-2012 he was in the review board of National Research Project in National Research Foundation, Korea. He became the President of Korean Association for Stem Cell Research between 2009- 2013. He received several awards from different universities, societies and institutes in Korea and in Japan.

Professor Kyung-Sun has over seventy recognized publications about stem cells, toxicology and pharmacology, redox signalling and cancer in many recognized scientific journals. He was also an Editorial board member for several journals like Gerontology, Journal of Veterinary Sciences, International Journal of Stem Cells, Stem Cell Review Letters, Cell & Developmental Biology And several societies like International Society of Stem Cell Research (ISSCR), International Society for Cellular Therapy (ISCT) and Korean Society of Stem Cell Research (KSSCR).



Keynote 7 “CSI: Crime Scene Investigation”



Senior Asst Comm of Police Dr Yew Chong Hooi *Commandant Royal Malaysia Police College* *Kuala Lumpur, MALAYSIA*

SAC Dr. Yew Chong Hooi is currently the Commandant of Royal Malaysia Police College, Kuala Lumpur. Prior to this, he was the Principal Assistant Director of Royal Malaysia Police Forensic Laboratory. He has more than 36 years of experience in the Royal Malaysia Police. He is also the Vice-President of Forensic Science Society Malaysia, the Council member of Institut Kimia Malaysia (IKM) and Council member of Confederation of Scientific and Technical Associations of Malaysia (COSTAM). He is also the Vice President of International Police Academies (INTERPA) with its headquarter at Ankara, Turkey.

He is also an active speaker in the local seminars and training courses. An experience Police Officer who has attended several courses relating to Forensic Science locally and internationally. SAC Dr. Yew has being in this field for more than 15 years. He also supervised post graduates students and published seminars papers in the field of Forensic Science jointly with the local Universities. He is also a guest lecturer for various degree programmes in local universities. SAC Dr. was also being awarded Panglima Setia Pasukan Polis (PSPP) and Kesatria Mangku Negara (KMN) by DYMM Yang Di Pertuan Agong on 8 July 2008 and 18 December 2008 respectively.

He holds a Bachelor degree in Chemistry from University Science Malaysia (USM), Penang (1986); Master in Chemistry from Unversiti Kebangsaan Malaysia (UKM), Selangor (1994); a Ph.D in Analytical Chemistry from UKM, Selangor (2003) and MPA in Public Administration from University of Malaya (UM), Kuala Lumpur (1992). He is also an Associate Member of The Institute of Chartered Secretaries and Administrators (ACIS), London (1996).



Oral Presentation List

ALTERNATIVE MEDICINE

- OP/AM 01 Prof. Dr. Siti Amrah Sulaiman Alternative Medicine : Applicability, Effectiveness and Abuse
 OP/AM 02 Alfi Khatib Evaluation of anti-diabetic properties of *Cosmos caudatus* Kunth leaves in obese-diabetic induced rat using metabolomics approach
 OP/AM 03 Ovais Ullah Shirazi Assessment of Antioxidants in Cold Water Extracts from Mixed Spices Formulation
 OP/AM 04 Muhammad bin Ibrahim Effect of *Baccaurea angulata* Fruit Juice on Serum Lipid Profile, Renal and Liver Function Tests of Normal and Hypercholesterolemic Rabbits
 OP/AM 05 Siti Fadhlina Halipah Screening of polyamines in selected Malaysian medicinal plants
 OP/AM 06 Irfan Mohamad Antifungal effect of Malaysian neem leaf extract on selected fungal species of pathogenic otomycosis in in-vitro culture medium

REGENERATIVE MEDICINE

- OP/RM 07 Aziee binti Sudin Integrin alpha-6 (ITA6) and CD9 specific protein surface markers detection of spermatogonial stem cell (SCCS) in azoospermic patient using immunofluorescence staining
 OP/RM 08 Nur Azira Alwi Skeletal malformations in fetus from rodents fed *Ficus deltoidea* aqueous extract during the late gestation period
 OP/RM 09 Zuraini Ahmad Inhibitory effect of asiatic acid on tumour necrosis factor- α -induced inflammation in human aortic endothelial cells
 OP/RM 10 Rozlin Abd Rahman The use of poly (Lactic-co-Glycolic Acid) and fibrin scaffolds for articular cartilage tissue engineering
 OP/RM 11 Nur Fatin Aqilah R Wharton's jelly-derived mesenchymal stem cells (WJMSC) inhibit proliferation of Human umbilical vein endothelial cells (HUVEC) in tumoural angiogenesis model

TOXICOLOGY & CRIMINOLOGY

- OP/TC 12 Rafiqah Azira, M.R. An assessment of Indoor Air Quality (IAQ) and microbial contamination in serving food via water mist aerosol at public restaurants
 OP/TC 13 Dahiya A Fixed dose drug combinations in India-A to Z analysis
 OP/TC 14 Norma S Hotel restaurant shut over possible link with food poisoning cases
 OP/TC 15 Muhammad Amin Bujang A trend analysis of commercial crimes in Malaysia

COLLABORATION RESEARCH

- OP/CR 16 Mai Nurul Ashikin Taib Imagery- Induced Relaxation as A Psychological Intervention Tool in Children with Cancer
 OP/CR 17 Maryam Abimbola Mikail *Baccaurea angulata* Fruit Juice Modulates Cholesterol-induced Atherosclerotic Markers in Experimental Rabbits
 OP/CR 18 Fadilah Ab Hamid Retinal Vasculature Fractal Dimension: What Does It Measure?
 OP/CR 19 Idris Adewale Ahmed *Baccaurea angulata* Fruit Inhibits Lipid Peroxidation and Induces the Increase of Antioxidant Enzymes Activities
 OP/CR 20 Ajeet Jaiswal Study The Relation Between Accidents, Sleepiness and Exhaustion in Indian Textile Industrial Workers
 OP/CR 21 Dr. Sheikh Muhammad Abu Bakar Positive Correlation Between The Number of Mucosal Glands and The Thickness of The Wall of The Appendix in Adult Males of Bangladeshi Populations.



EPIDEMIOLOGY

- OP/EM 22 Mohd Ariff Sharifudin Morbidity and Mortality Associated With Tumour-Related Hindquarter Amputation: A Review of 23 Cases.
- OP/EM 23 Karl Peltzer Nocturnal Sleep Problems Among University Students From 26 Countries
- OP/EM 24 Asmalita Syaiful Determination of Access to Medicines For Children Living in Poor Households of Peninsular Malaysia
- OP/EM 25 Sinan Mohammed Al-Mahmood Quality of Life among Patients with Diabetic Neuropathy Pain in HTAA
- OP/EM 26 P.W.P.W.K. Pallewaththa Effectiveness of a Health Promotion Approach to Addressing Selected Behavioral Intentions on Safe and Unsafe Sexual Practices among Three-Wheeler Drivers in Anuradhapura Town, Sri Lanka
- OP/EM 27 Lailuma Momand Bactericidal and Bacteriostatic Effects of *Baccaurea Angulata* Fruit Extracts on Human Pathogens.

MOLECULAR BIOLOGY

- OP/MB 28 Haiyuni Binti Mohd Yassim Human Cumulus Cells (CCs) Gremlin 1 Gene Expression In Assessment of Oocyte Quality
- OP/MB 29 Lailatuljalilah Mohd Ridah Detection of P16INK4a(P16) Methylation in Diffuse Large B-Cell Lymphoma Using Methylation-Specific Pcr
- OP/MB 30 Yukmil Amru Bin Salleh Identification Gene Expression of Hyaluric Acid Synthase 2(HAS2) In Human Cumulus Cell as a Marker for Oocyte Quality
- OP/MB 31 Nik Mohammad Faez Identification of BRCA1 Tumor Suppressor Gene Expression As A Dna Repair Gene From Frozen Cleavage Embryo Cell At Iium Fertility Centre
- OP/MB 32 Dato' Paduka Syed Isa Syed Alwi High Value Added Products from *Haematococcus Pluvialis*; Astaxanthin for Human Health and Nutrition



Poster Presentation List

ALTERNATIVE MEDICINE

- PP/AM 01 Azizah Binti Abd Rahman Antimicrobial and Cytotoxic Activities of the Leaves Extracts of *Dissochaeta gracilis*
- PP/ AM 02 Farah Azwani Binti Saflan Antimicrobial and Cytotoxic Activities of Methanol Extract of *Anisomeles indica* Leaves
- PP/AM 03 Fatim Nasuha Mohd Safri Antimicrobial Study of the Leaves Extracts of *Artocarpus lanceifolius*
- PP/AM 04 Norazlanshah Hazali The Study of Chemical, Fiber and Antioxidant Properties of Hot Air Dried and Freeze Dried Fiber from *Baccaurea angulata* Fruit
- PP/AM 05 Hanisuhana Hamidon Cytotoxicity and Anti-inflammatory Activities of *Garcinia xanthochymus* Extracts on Cell Lines
- PP/AM 06 Muhammad bin Ibrahim Anti-atherosclerotic Capacity of *Baccaurea angulata* Fruit in Hypercholesterolemic Rabbit
- PP/AM 07 Insathe binti Mohamed Ali Synergism Between Antibiotics and the Extracts of Selected Phophetic Medicine Towards Different Types of Bacteria
- PP/AM 08 Pang Jyh Chayng Synergy Effect of *Mangifera indica* and *Morus alba* in Streptozotocin-induced Diabetic Rats
- PP/AM 09 Muhammad Syamil bin Rozmi Antimicrobial and Cytotoxicity Activities of *Sterculia parviflora*
- PP/AM 10 Mohd Shafri Ma Screening for Coumarin in Medicinal Plants *Muraya koenigii*, *Ocimum basilicum* and *Jasminum sambac*
- PP/AM 11 Vikneswari Perumal Multivariate Calibration of Fourier Transform Infrared Spectra in Predicting Anti-Diabetic Activity of *Momordica charantia* Fruit
- PP/AM 12 Suzanah Abdul Rahman The Effect of *Nigella Sativa* Extract on Mouse Oocyte Activation
- PP/AM 13 Muhammad Syafiq Abd Ghafar Stability Testing of Oil-In-Water (O/W) Emulsion of *Syzygium Aromaticum* (CLOVE)
- PP/AM 14 Ridhwan Abdul Wahab Evaluation of Antioxidant, Total Phenols And Flavonoids Content and Antimicrobial Activities of *Artocarpus Altilis* (Breadfruit) of Underutilized Tropical Fruit Extracts
- PP/AM 15 Nurhazirah Zainul Azlan Antidiabetic Study of *Vernonia Amygdalina* Aqueous Extract

REGENERATIVE MEDICINE

- PP/RM 16 Afif Raihan binti Abdullah Detection of Spermatogonial Stem Cells in Non-Obstructive Azoospermic Patient using Immunofluorescence Staining of GFR Alpha-1 and Integrin Beta-1 as the Specific Protein Surface Markers
- PP/RM 17 Muhammad Azihan bin Ahmad Derivation of Fibroblasts Cells From Primary Mouse Embryonic Fibroblasts (PMEF) and Optimization of Culture System
- PP/RM 18 Mardiaty Iryani Abdullah Identification of Potential Serum Biomarkers to Differentiate Papillary Thyroid Carcinoma From Benign Thyroid Goitre
- PP/RM 19 Radiah Abdul Ghani Chemopreventive Effect of *Punica Granatum* In Human Lung Carcinoma A549 Cells
- PP/RM 20 Wisam Nabeel Ibrahim In vivo CTCF and YB-1 Interaction with AP1 Site of Matrix Metalloproteinase 13 Gene Promoter in Human Malignant Melanoma Cell Line
- PP/RM 21 Radiah Abdul Ghani Inhibitory Effects of Boiled *Lawsonia Inermis* (Henna) Liquid in Lung Cancer Cells (A549)



TOXICOLOGY & CRIMINOLOGY

- PP/TC 22 Anis Syazana, A.A. An Assessment of Indoor Air Quality (IAQ) and Its Relation to Microbial Contamination at Different Types of Laboratory Settings
- PP/TC 23 Khadijah, H. An Assessment of Indoor Air Quality (IAQ) and Its Relation to Microbial Contamination at Different Types of Library Settings
- PP/TC 24 Maria Magdalina Knowledge and attitude of undergraduate students concerning gangsterism in Malaysia
- PP/TC 25 Linthini Gannetion Knowledge and attitude of undergraduate students concerning commercial crimes in Malaysia
- PP/TC 26 Rohani I A legionella outbreak at a hospital in Kuala Lumpur
- PP/TC 27 Mastura Azalee Preliminary assessment of women crime victimization in Kelantan

COLLABORATION RESEARCH

- PP/CR 28 Reshma. M. Ansari Surface Mucus Changes Overlying The Transitional Mucosa of The Distal Colon In Malaysian Patients
- PP/CR 29 Mohd Ariff Sharifudin The Effect of Body Mass Index (BMI) on The Performance in Prayer by Muslims: Preliminary Report on A Study on Range of Motion Study of The Hip and Knee
- PP/CR 30 Rosita Jamaluddin Effects of Probiotics On Bioavailability of Calcium and Bone Mineral Content (BMC)
- PP/CR 31 Mardhiah M A Preliminary Study on The Occurrence of Soil-Transmitted Helminths Among Standard One School Children in Urban and Peripheral Areas Kuantan, Pahang
- PP/CR 32 Siti Mei Saroh Processed Soy Snack for Supplementation To Prevent Leuchemia for Gas Station Attendant
- PP/CR 33 Samsul Deraman The Effects of Family Dynamic to Psychological Aspects of Transsexuals At Kuantan, Pahang In 2012
- PP/CR 34 Ratna M T The Presence of Cryptococcal Antigen in Clinical Samples From Suspected Cryptococcosis Patients
- PP/CR 35 Hasnain Abbas Dharamshi Variation of Vitamin B12 Levels in Cirrhotic Patients
- PP/CR 36 Ahmed K. Allow Late follicular hyperprolactinemia (LF-HPRL) is not disease
- PP/CR 37 Afzan M Y Knowledge, Attitude and Practices (KAP) of Intestinal Helminths and Protozoa Infections Among Parents of Sekolah Kebangsaan Bukit Goh and Sekolah Kebangsaan Sungai Talam, Kuantan, Pahang, Malaysia
- PP/CR 38 Norshuhaida Binti Abdul Rahim Galactogogues Consumption Among Breastfeeding Mothers in Kuantan

EPIDEMIOLOGY

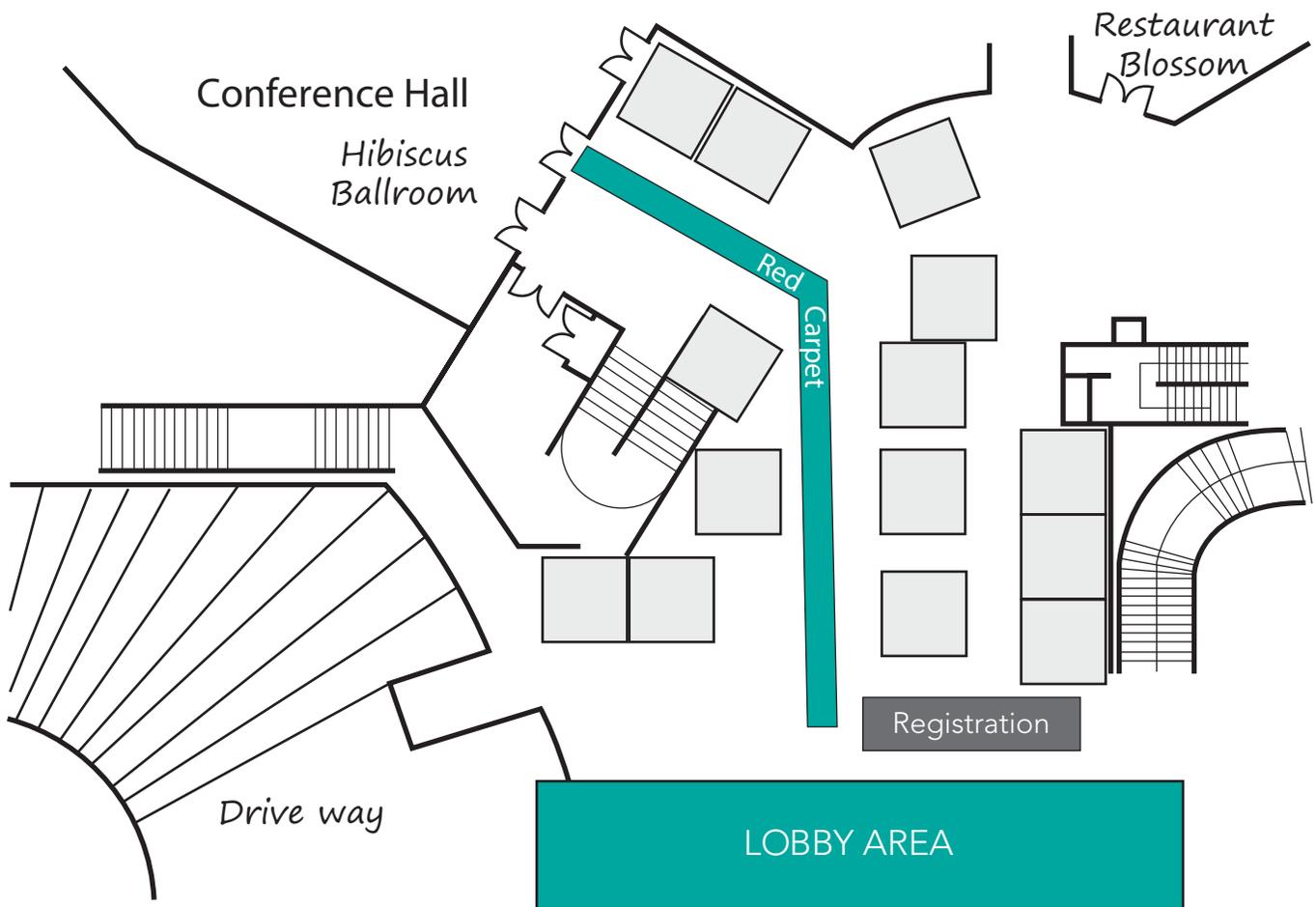
- PP/EM 39 Nor Azlina A Rahman Knowledge, Attitude and Practice Regarding Hepatitis Among Medical- and Non-Medical Based University Students
- PP/EM 40 M. S. Noraishah Mixing Pattern Analysis of Hand, Foot and Mouth Disease In Sarawak, Malaysia
- PP/EM 41 Nor Azlina A Rahman The Relationship Between Knowledge, Attitude and Practice Towards Tuberculosis Among Community of Taman Selasih, Kulim, Kedah
- PP/EM 42 Mastura, A. Predictors for Good Seizure Control Among Patients With Epilepsy on Valproic Acid at Hospital Kuala Lumpur
- PP/EM 43 Lim Kuang Kuay Nutritional Iodine Status After 3-Year of Universal Salt Iodization in Sarawak, Malaysia
- PP/EM 44 Shakeel Ahmed Ibne Mahmood Bangladesh-Facing A Double Burden of Diseases
- PP/EM 45 Mahanim Md Yusof Situational Analysis of HIV/AIDS confection STD with in Kuala Lumpur, Malaysia, 2013
- PP/EM 46 Cheong Yoon Ling Spatio-Temporal Mapping of Dengue Disease in Peninsular Malaysia
- PP/EM 47 Sinan Mohammed Al-Mahmood People's Knowledge Assessment about Infertility among Community in Taman Balok Pine, Kuantan, Pahang



MOLECULAR BIOLOGY

- PP/MB 48 Amnani Binti Aminuddin Cytotoxic, Anti-Inflammatory and Adipogenic Effects of Selected Flavonoids on Cell Lines
- PP/MB 49 Fatin Emalina Binti Abdul Rashid Detection of β HCG Expression of Frozen Embryo in Early Cleavage Cells as Predictive Marker at Blastocyst Stage Development
- PP/MB 50 Radhiyatul Akma Binti Mohamad Zani Quantitative Protein Expression Studies of Malaysian Broiler and Organic Chicken Skin
- PP/MB 51 Muhammad Refaudeen Bin Mohd. Rafe The Identification of Vasa Gene Expression That Involve in Germline Development From Testis Biopsy of Azoospermic Patient At I IUM Fertility Center
- PP/MB 52 Mr. Mohd Rohaizad Md Roduan In vitro of Anti-tumor Promoting Effects of Bioactive Fractions From *Annona Muricata* Leaves on Raji Cells

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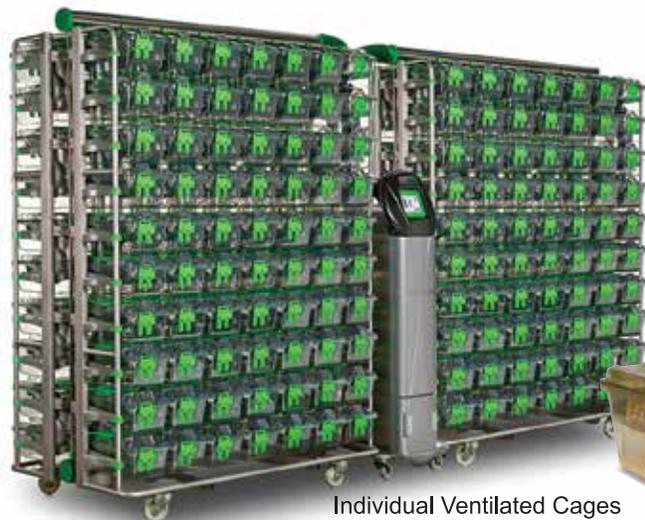
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