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
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

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**Special Thanks**

- BioSpensa Resources
- Tourism Pahang
- 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-art 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
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 (IHCI), which I hope will be a landmark event for ICRACU 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
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, ICRACU, 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

Alhamdulillāh, 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
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 ICRACU, IIUM. 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 ICRACU 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 IIUM Kulliyyah’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 ICRACU 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, ICRACU
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 ICRACU 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  
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**Pre-conference Workshop**  
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Animal Tissue Culture : Asst. Prof. Dr Mardiah Mohammad  
Biostatistics : Sr. Farrah Ilyani bt Che Jamaludin

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Br. Azmir bin Ahmad

**Welcoming Remarks/ Logistics**  
Master of Ceremony : Dr. Ibrahim Adham b Taib  
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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Sr. Ainaaul Mardhiyah bt Jamil  
Sr. Aisyah Hanani bt Md Ali @ Tahir  
Sr. Amanina bt Matali  
Sr. Faizah bt Abdullah Asuhiami  
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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

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<th>Activity</th>
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<tr>
<td>1600</td>
<td>Registration &amp; Information desk</td>
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## Day 2 - 3rd December 2014 | Wednesday

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800</td>
<td>Registration &amp; Arrival of participants</td>
</tr>
<tr>
<td>0830</td>
<td>Arrival of VIP’s, National Anthem &amp; IIUM Songs</td>
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<tr>
<td>0850</td>
<td>Recitation of Doa</td>
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<tr>
<td>0855</td>
<td>Conference Briefing</td>
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<tr>
<td>0905</td>
<td>Demonstration Session: Forensic Unit, Royal Malaysia Police</td>
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<td>0935</td>
<td>Welcoming Remark</td>
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<tr>
<td>0950</td>
<td>Official Opening</td>
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<tr>
<td>1000</td>
<td>Exhibition Booth Visit</td>
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<tr>
<td>1050</td>
<td>Poster session I and Coffee-break</td>
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<tr>
<td>1100</td>
<td>Plenary Session I</td>
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<tr>
<td>1200</td>
<td>Lunch Talk : Dr. Thuan D. Bui, CEO i-DNA Biotechnology Pte Ltd</td>
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<tr>
<td>1300</td>
<td>Lunch Break</td>
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CONCURRENT SESSION I

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

1500 - 1615  **Oral Session II : Molecular Biology**

1. Haiyuni Binti Mohd Yassim - Human Cumulus Cells (CCs) Gremlin 1 Gene Expression In Assessment of Oocyte Quality (IIUM)

2. Lailatuljalilah Mohd Ridah - Detection of P16INK4a(p16) Methylation in Diffuse Large B-Cell Lymphoma Using Methylation-Specific PCR (IIUM)

3. Yukmil Amru Bin Salleh - Identification Gene Expression of Hyaluric Acid Synthase 2 (HAS2) In Human Cumulus Cell as a Marker for Oocyte Quality (IIUM)

4. Nik Mohammad Faez Bin Nik Osman - Identification of BRCA1 Tumor Suppressor Gene Expression As A DNA Repair Gene From Frozen Cleavage Embryo Cell at IIUM Fertility Centre (IIUM)

5. Dato’ Paduka Syed Isa Syed Alwi - High Value Added Products from Haematococcus Pluvialis; Astaxanthin for Human Health and Nutrition (Algaetech International Sdn Bhd, Malaysia)

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

1500 - 1630  **Oral Session III : Collaboration Research**

1. Mai Nurul Ashikin Taib - Imagery-induced Relaxation as a Psychological Intervention Tool in Children with Cancer (IIUM)

2. Maryam Abimbola Mikail - Baccaurea angulata Fruit Juice Modulates Cholesterol-induced Atherosclerotic Markers in Experimental Rabbits (ICRACU)


4. Idris Adewale Ahmed - Baccaurea angulata Fruit Inhibits Lipid Peroxidation and Induces the Increase of Antioxidant Enzymes Activities (ICRACU)

5. Ajeet Jaiswal - Study The Relation Between Accidents, Sleepiness and Exhaustion in Indian Textile Industrial Workers (Pondicherry University, India)

6. 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 (University of Malaya).

1630 - 1800  **Poster Presentation and Judging (Session II & III)**  
**Topic:** Molecular Biology & Collaboration Research  
**Tea-break**

www.iium.edu.my/ihci
Day 3 - 4th December 2014  | Thursday

**CONCURRENT SESSION II**

<table>
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<th>Time</th>
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| 0830 - 0930   | **Keynote Speaker #4 – Professor Wing-Hong Seto**  
"Local Epidemic and Pandemic of Emerging Viruses"  
**Chairperson:** Assoc. Prof. Dr. Laith Issa Yasin  
**Venue:** Grand Ballroom |

0930 - 1100

**Oral Session IV : Epidemiology**


2. Karl Peltzer - *Nocturnal Sleep Problems Among University Students From 26 Countries* (ASEAN Institute for Health Development, Madidol University)

3. Asmalita Syaiful - *Determination of Access to Medicines For Children Living in Poor Households of Peninsular Malaysia* (Universiti Sains Islam Malaysia)

4. Sinan Mohammed Al-Mahmood - *Quality of Life among Patients with Diabetic Neuropathy Pain in HTAA* (IIUM)


6. Lailuma Momand - *Bactericidal and Bacteriostatic Effects of Baccaurea Angulata Fruit Extracts on Human Pathogens* (IIUM)

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<th>Session Details</th>
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| 0830 - 0930   | **Keynote Speaker #5 – Professor Dr. Abdul Aziz Al-Safi**
"Cupping Therapy in Reducing Cardiovascular Diseases"  
**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 - *Alternative Medicine : Applicability, Effectiveness and Abuse* (USM)


3. Ovais Ullah Shirazi - *Assessment of Antioxidants in Cold Water Extracts from Mixed Spices Formulation* (IIUM)

4. Muhammad bin Ibrahim - *Effect of Baccaurea angulata Fruit Juice on Serum Lipid Profile, Renal and Liver Function Tests of Normal and Hypercholesterolemic Rabbits* (IIUM)

5. Siti Fadhlina Halipah - *Screening of Polyamines in Selected Malaysian Medicinal Plants* (IIUM)

6. Irfan Mohamad - *Antifungal Effect of Malaysian Neem Leaf Extract on Selected Fungal Species Of Pathogenic Otomycosis in in-vitro Culture Medium* (USM)

1100 - 1130

**Poster Presentation (Session IV, V, VI & VII)**

**Topic:** Epidemiology, Alternative Medicine, Regenerative Medicine & Toxicology and Criminology

**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)  

**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**
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  
Kulliyyah 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.
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 he is 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 Universiti 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 Baccaraeangulata 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 spermatogonia 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 tumoral 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  Baccarae 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  Baccarae 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 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 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 Safian  
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 lancifolius

PP/AM 04 Noralgansyah 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 Activites 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 Phroptic 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 Syaqif 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 Iryanli 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 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  Afzani 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 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 βHCG 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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1EB - 2EB DESEMBER 2014

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Penceramah Utama:
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(Presiden Persatuan Apit terapi Malaysia
Kerwa Kloner Perubatan Tradisional & Integratif
Pusat Pengajian Sains Perubatan
Kampus Kesihatan, USM)

Penceramah:
Dr. Norul Badriah Hasan
(Penayang Kanan Jabatan Farmakologi,
Pusat Pengajian Sains Perubatan, USM)
En. Azhar Ahmad
(Penipilitik dan Pegawai Sains
Pusat Pengajian Sains Perubatan, USM)
En. Zakaria Husain
(Pegawai, Jabatan Perobatan Kerana Kedua)
En. Mohd Hisyamuddin Ghazali
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Kelanian Biotech Corp. Sdn Bhd)

Instruktur Praktikal:
En. Lokman b. Ali
En. Bunyamin b. Lokman

Program:
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2. Penternakan Lebah Kelulut
3. Sumber Makanan: Lebah Kelulut
4. Praktikal: Kaedah Membuat Halal &
Pindah Koloni
5. Ancaman Madu Trian
6. Produk Lebah Kelulut & Khasiat
Mengikut Amalan Tradisional &
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Basic Handling and Techniques in Mammalian Cell Culture
Pre-conference workshop of International Health Conference IIUM (IHCI) 2014
Introductory level, 1 – 2 December 2014
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In collaboration with Dept. of Biomedical Science, KAHS; Dept. of Biotechnology, KOS; Dept. of Basic Medical Sciences, KOD; Dept. of Basic Medical Sciences, KON

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<td>Local (RM)</td>
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This is the first of a 3-part continuous workshops. Participants of this introductory workshop will be given special discount for subsequent intermediate workshop (30% discount) and advanced workshop (40% discount).

Introductory workshop will include theory and hands-on practical sessions to cover:

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◆ Maintaining of cells in tissue culture system

Contact: Dr. Suhana (suhana@iium.edu.my), Br. Mohd Faez (faez@iium.edu.my), Sr. Fatin (icracu@iium.edu.my). Tel. No: 09-5705263, 09-5704282
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In conjunction with the International Health Conference IIUM (IHCI) 2014

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Time: 8.00am-5.00pm

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1. To introduce the basic statistical analysis and its applications using SPSS software.
2. To practice the basic statistical analysis using provided data set in SPSS software.
3. To provide the concept on how to interpret the results of the basic statistical analysis.

Speaker:
ASST. PROF.
DR. NOR AZLINA A. RAHMAN
Specialized in Epidemiology and Biostatistics

<table>
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Contact:
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