

Institute of Medical Molecular Biotechnology Newsletter



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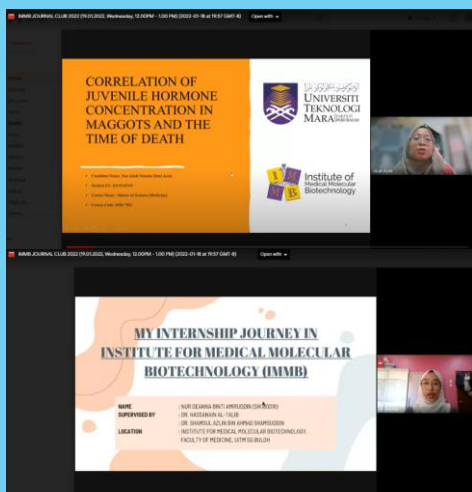
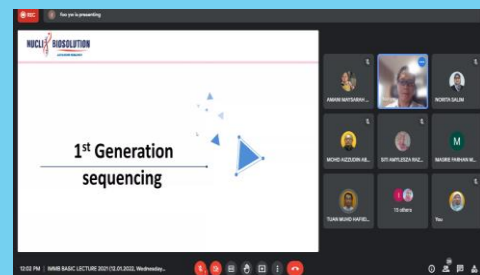
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TOP UiTM's Author 2021 Publication (Scopus/WoS) Corresponding Author		
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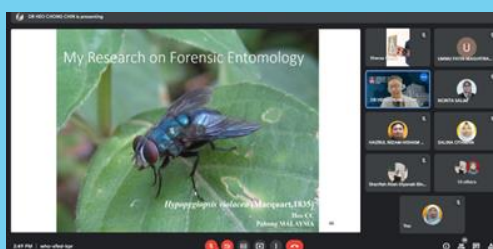
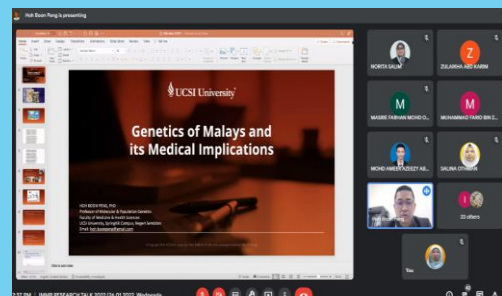
TOP UiTM'S AUTHOR. Congratulation to IMMB Internal Advisory, Assoc. Prof. Dr. Siti Hamimah Sheikh Abdul Kadir for **TOP UiTM AUTHOR 2021 PUBLICATIONS (Scopus/WoS) AWARD.** Assoc. Prof. Dr. Hamimah was a former director of IMMB from 2016-2020. She has extensive experience in research and has published around 75 research articles in the fields of molecular medicine and biotechnology. She has 13 postgraduate students working under her supervision and is involved in various research collaborations at the national and international levels.

IMMB BASIC LECTURE 2022 was conducted on 12 January 2022. The invited speaker was **Mr. Foo Yoke Wai** from **Nuclix Biosolution Sdn Bhd**. In this lecture, he shared with the audience his expertise on the topic entitled **"Introduction to Sequencing and Its Application."** This lecture touched on the basics of DNA sequencing, metabolomics studies and its other growing applications. This is a very helpful topic, especially for beginners in molecular research. This talk was chaired by Mr. Tuan Muhd Hafidz and was attended by 65 participants.



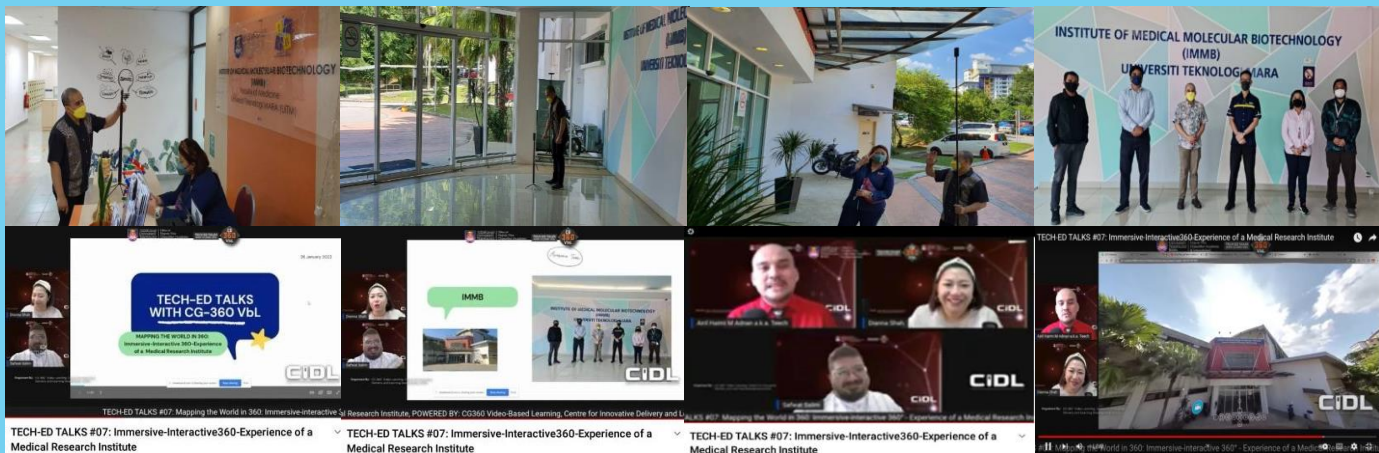
IMMB JOURNAL CLUB 2022 was held on 19 January 2022 with two invited presenters. The first presenter was **Nur Aliah Natasha binti Azmi (MSc Student)** under the supervision of Dr. Heo Chong Chin. The title of her research findings is **"Correlation of Juvenile Hormone Concentrations in Maggot and Time of Death."** In this presentation, she shared about the juvenile hormones that control reproduction, metamorphosis and behavior in insects and arthropods. From her findings, it was concluded that there was no significant correlation between JHB III stage and larval developmental ages in the three fly species studied. The second speaker was **Nur Deanna Amiruddin (Internship Student from the University of Malaya)** under the supervision of Dr. Hasanain Al-Talib. She shared her experience through the title of **"My Internship Journey at IMMB"**. She became more optimistic, independent and proactive after 14 weeks of the practical period due to various assignments and exposures. Both talks were chaired by Mrs. Salina Othman and were attended by 60 participants.

IMMB RESEARCH TALK 2022 was conducted on January 26, 2022, with **Prof. Dr. Hoh Boon Peng** from **UCSI University** as an invited speaker. In this session, he shared his expertise on the topic entitled **"Genetics of the Malays and Their Medical Implications."** Apart from sharing about the genetic structure of the Malays and disease gene mapping. He also shared about Ancestral Informative Marker (AIM) and three ways to understand the role of genomics in shaping the phenotypes: experiment, genetic association with disease traits and evolutionary genetics. This talk was chaired by Mdm. Norita Salim and was attended by 79 participants

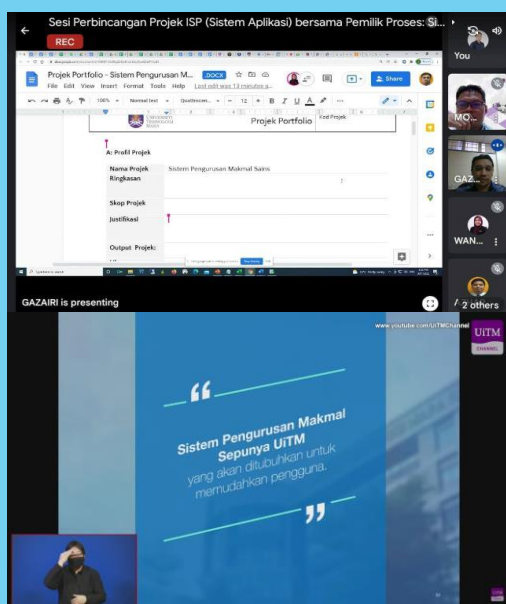


The director of IMMB, **Dr. Heo Chong Chin** was invited as a speaker for the **Perak International Art Symposium** organized by Universiti Teknologi MARA Perak on 11 January 2022. He shared his expertise on the topic entitled **"Forensic Entomology: Concepts and Cases."** Forensic entomology is the study of insects found in decaying vertebrate corpses to assist in determining the estimated time of death. It has become an interesting field with various useful applications especially for solving criminal cases.

ACTIVITIES, INITIATIVES & INVOLVEMENT



IMMB 360 VIDEO TOUR was conducted on 13 January 2022. A virtual tour is a 360-degree virtual reality experience that allows potential students and users to "walk through" the labs virtually without visiting physically. This approach was chosen because it offers a sense of presence where the audience can feel themselves being here. Users have full control over what they're seeing, and they can zoom in or out to a specific area or equipment to get a better sense of the experience overall. It is also important for work planning, grant procurement and laboratory work safety. The video was filmed by a team led by **Dr. Airil Haimi** and **Ms. Dianna Suzieanna Mohamad Shah**; both are lecturers from CIDL UiTM. The filming process in IMMB was also discussed in **TECH-ED TALKS #07: IMMERSIVE-INTERACTIVE 360-EXPERIENCE OF A MEDICAL RESEARCH INSTITUTE**. This talk was successfully held on 26 January 2022 via YouTube Channel, with **Dr. Airil Haimi** as the speaker and **Ms. Dianna Suzieanna Mohamad Shah** and **Mr. Mohamad Safwat Ashahri Mohd Salim** were paired as moderators.



SESI PERBINCANGAN PROJEK ISP 2022-2025: SISTEM PENGURUSAN MAKMAL SAINS. This discussion was held on 20 Jan 2022. It was chaired by **Mr. Gazairi Bin Ghazali** (Ketua Unit Sistem Utama) and **Mr. Mohd Hairy Bin Mohammadiyah** (Ketua Bahagian Sistem) from **Jabatan Infostruktur UiTM Shah Alam**. The purpose of the discussion was to set the scope of the project, the project leader, system owner and timeline. The results of this discussion will be presented for finalization at the **ICT Strategic Planning (ISP) UiTM 2022-2025**. The development of this system was also mentioned during the **AMANAT NAIB CANCELOR** on 26 Jan 2022.



LETTER OF INTENT (LOI) between **INSTITUT PERUBAHAN IKLIM (IPI) UNIVERSITI KEBANGSAAN MALAYSIA (UKM)** and **IMMB, FACULTY OF MEDICINE, UNIVERSITI TEKNOLOGI MARA (UiTM)**. This LOI is to outline collaboration in research and academics. This collaboration will then be translated into generating research opportunities particularly in the Space Medicine field through the national and international funding procurement. This collaboration will also be converted into an MoU or MoA after further development. This LOI was signed by **AP. Dr Zaini Sakawi** from IPI UKM and **AP. Dr. Fazah Akhtar Hanapiah**, the Dean of the Faculty of Medicine on 6 Jan 2022.

"The best way to achieve a goal is to work together in a team"

My name is Tuan Muhd Hafidz bin Tuan Kamauzaman. I started working in IMMB with the position of Laboratory Assistant starting in 2004, and in 2010, I was promoted as the Assistant Science Officer. I would like to thank our former director Prof. Dr. Gabrielle for her trust, support, and opportunity to be in charge of the scanning electron microscope lab even though I had no foundation in the sample preparation for the electron microscopy. Also, thank you to Mr. Karim (ex-staff from Malaysian Rubber Board), who has trained me in basic sample preparation techniques to some advanced ultramicrotome techniques for STEM imaging. Assoc. Prof. Dr. Siti Hamimah, the director of IMMB in 2018, had encouraged the staff to learn new skills, and I decided to join the microbiology lab. I enjoyed learning new skills while networking with students and also scientists. And now, our current director Dr. Heo Chong Chin, has inspired our institute to be internationalized. Various strategies and plans are being worked on, and the best way to achieve a goal is to work together in a team. I enjoy making new friends here in IMMB and am ready to assist those who need my help in sample preparation for electron microscopy, ultramicrotome preparation and basic microbiological techniques. Welcome to IMMB!



GET TO KNOW IMMB STAFF:

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"Life is like riding a bicycle. To keep your balance, you must keep moving."

- Albert Einstein



IMMB MENTOR-MENTEE PROGRAM

INTRODUCTION

To expose postgraduate students to real-world scenarios and to enhance their soft skills (eg., interview skills, time management, stress management, etc.) through experience sharing by mentors

ROLES & RESPONSIBILITIES

MENTOR

- Share related working and life experience with mentee
- Help mentee in improving related soft skills required in the workplace.
- Guide mentee in job searching and professional network development.

MENTEE

- Meet (online) routinely with the mentor (at least twice per semester)
- Initiate the discussion regarding the goals of the mentorship.
- Set the schedule and agenda for each meeting to ensure that your area of interest/concerned are discussed.

Scan
Me

IF YOU HAVE ANY QUERIES, KINDLY
CONTACT :-

Mr. Azhar Bin Ahmad, Email : azharf@uitm.edu.my



UPCOMING EVENT!

IMMB RESEARCH TALK

Dr. Mohamad Ghazali Masuri,
Centre Of Occupational Therapy,
Faculty of Health Sciences UiTM.
12PM, 23 February 2022

IMMB BASIC LECTURE

Dr. Mohd Shafiq Aazmi,
Faculty of Applied Sciences UiTM.
12PM, 9 March 2022

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