

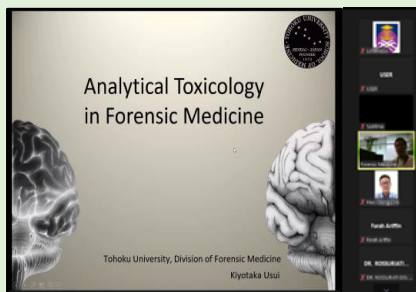
# Institute of Medical Molecular Biotechnology Newsletter



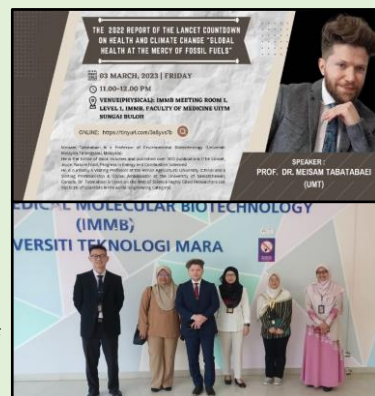
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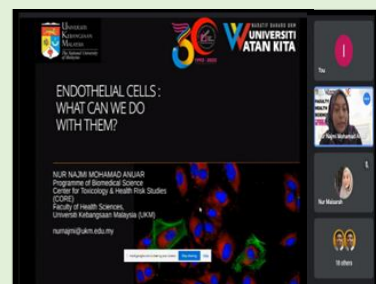


The **IMMB INTERNATIONAL WEBINAR SERIES 2023** was held on 28<sup>th</sup> March 2023. The invited presenter was **Assoc. Prof. Dr. Kiyotaka Usui**, a forensic scientist from the **Division of Forensic Medicine of Tohoku University Graduate School of Medicine**. He shared his expertise on the topic entitled **"Analytical Toxicology"**, a comprehensive introduction to the detection and analysis of drugs, poisons, and other foreign chemicals in biological and related specimens which is important in the diagnosis, management, prognosis, and prevention of poisoning. This talk was chaired by Miss Nor Azizah Abdul Aziz and was attended by 99 participants.

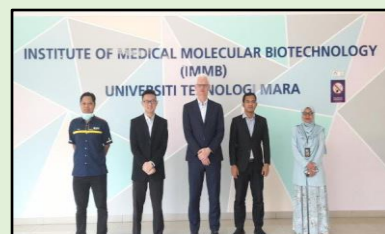


**IMMB RESEARCH TALK** was conducted on 3<sup>rd</sup> March 2023, with **Prof. Dr. Meisam Tabatabaei**, a Professor of Environmental Biotechnology from the **Institute of Tropical Aquaculture and Fisheries, Universiti Malaysia Terengganu** as the invited speaker. In this session, he shared his views on the topic entitled **"The 2022 Report of The Lancet Countdown on Health and Climate Change: Global Health at The Mercy of Fossil Fuels."** Through this talk, he expressed his concern about how climate change would damage the health of the community, the earth, as well as the national economy. These will compromise the security of food, water, degradation of the air quality and disease infection. As a summary, this report shows how urgent climate change is. An immediate and coordinated response to the escalating crisis is needed to protect the health of present and future generations. This hybrid talk was moderated by Miss Nur Aliah Natasha Azmi and was attended by 32 participants.

**IMMB RESEARCH TALK 2023** was conducted on 22<sup>nd</sup> March 2023 with **Dr. Nur Najmi Mohamad Anuar** from **Fakulti Sains Kesihatan, Universiti Kebangsaan Malaysia** as the invited speaker. Dr. Nur Najmi research interests are in endothelial cell behavior, atherosclerosis, natural products, matrix metalloproteinase (MMP) and cardiovascular physiology. She is currently a member of the Center for Toxicology & Health Risk Studies (CORE). In this session, she shared about **"Endothelial cells : What can we do with them?"**. From this talk, audience have been exposed to the importance and multiple capabilities of the cells, especially in the formation of blood vessels, coagulation and fibrinolysis, regulation of vascular tone, and a role in inflammation. This talk was successfully attended by 28 participants and chaired by Miss Nur Maisarah Mahadi.



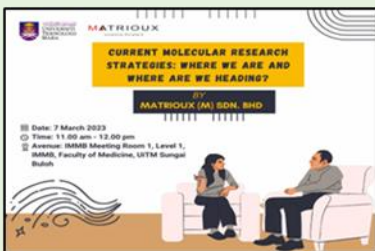
**VISIT FROM PROF. JAN NOUWEN.** IMMB is pleased to receive **Prof. Jan Nouwen** from **Erasmus Medical Center, Rotterdam**, on 1<sup>st</sup> March 2023. Prof. Jan Nouwen's was taken to visit the Faculty of Medicine's research facilities, including IMMB. In IMMB, the lab tour was led by the Director of IMMB, AP. Prof. Dr. Heo Chong Chin and assisted by the senior officers of IMMB, Ms. Norita Salim and Mr. Mohd Yusri Idorus. The tour was followed by a brief explanation of available research facilities, current research works, collaborations, and future plans.



**VISIT FROM SCHOOL OF PHARMACY UNIVERSITAS MUHAMMADIYAH PURWOKARTO (UMP)** on 13<sup>th</sup> March 2023 and a **VISIT FROM INSTITUT TEKNOLOGI KESEHATAN DAN SAINS WIYATA HUSADA SAMARINDA (WHS)** on 21<sup>st</sup> March 2023. IMMB is proud to have received the Indonesian delegates from two institutes for the site visits. Delegates from UMP was led by **Dr. Binar Asrining Dhiani**, the Vice Dean Academic & Student Affairs. Delegates from WHS was led by **Assoc. Prof. Dr. Eka Ananta Sidharta**, the Rector of WHS Institute. During their visit, the representatives were exposed to the activities, workstations, and research environment at IMMB. The representatives appeared to be very interested in the services offered by IMMB. Throughout the visit, various approaches related to daily operation, facility & students management, internationalization as well as research collaborations have been shared. We hope that these visits and discussions will be held more often to drive the progress and visibility of IMMB and the Faculty of Medicine UiTM.



# ACTIVITIES, INITIATIVES & INVOLVEMENT



On 7<sup>th</sup> March 2023, **IMMB TECHNICAL TALK 2023** was successfully conducted with the title "**Current Molecular Research Strategies: Where Are We and Where Are We Going?**". In this talk, **Ms. Adlina Roslan**, the Product Executive from **Matrioux (M) Sdn. Bhd** shared about the history, theory, and new technologies available in the market. This is an important topic that should be highlighted, especially for postgraduate students working with DNA samples in their research. This talk was successfully attended by 22 participants.

**POLYMERASE CHAIN REACTION WORKSHOP.** This workshop was conducted by **Mr. Hazrul Nizam Hisham Hasmi**, the Assistant Science Officer at IMMB on 7<sup>th</sup> March 2023. The workshop was attended by 19 pharmaceutical technologies students from **UNIVERSITY COLLEGE MAIWP INTERNATIONAL (UCMI)** led by their lecturer, **Ms. Akmalyati Sulong**. This workshop was carried out purposefully to give the participants the experience on how to check DNA concentration, prepare gel for electrophoresis, perform a PCR reaction, and analyse the results. The hands-on session was successfully facilitated by 3 facilitators, led by Mr. Hazrul Nizam Hisham Hasmi himself.



**APPLICATION TRAINING OF NEW EQUIPMENT IN IMMB.** IMMB had organized a demonstration and hands-on training on the inverted microscope CKX53 Olympus with Imaging System on 21<sup>st</sup> March 2023 with an invited facilitator, **Mr. Muadz Baharom** from **Matrix Optics (M) Sdn Bhd**. This training covered the features of the microscope, how to use and set the magnification and resolution, as well as the important parts of basic maintenance. This training is very important to improve participants' skills and expose them to the new equipment with the new technology in IMMB. This training was attended by 10 postgraduate students.

**TAZKIRAH RAMADHAN.** This IMMB Tazkirah Session is performed yearly during the month of Ramadhan. Our very first tazkirah for Ramadhan 1444 hijri was conducted on 28<sup>th</sup> March 2023 with **Ustaz Mohd Nazril Saad**, a Senior Assistant Registrar from **Bahagian Hal Ehwal Islam UiTM Shah Alam**. In this tazkirah, he shared his knowledge on the topic entitled "**Janji Allah Kepada Mereka Yang Bersedekah di Bulan Ramadan**". Through this talk, he explained the five benefits of sadaqah; it helps to cure illness and avert death, eases hardships and removes calamities, offers shade on the day of judgement, expiates our sins, and is an investment in this life and the hereafter. This online tazkirah was hosted by Miss Nor Azizah Abdul Aziz and was successfully attended by 98 participants.



Congratulations to **Mr. Azhar Ahmad**, the Senior Scientific Officer of IMMB, for winning the **GOLD MEDAL** in the Chess Team event and clinching the **BEST BOARD PLAYER AWARD** at the chess tournament in **Karnival Sukan Staff (KARISTA) UiTM 2023**. Mr. Azhar is the main chess player for the UiTM Selangor team, which has had five participation in KARISTA since 2018. He won a silver medal in 2019 and set a tournament record by winning three gold medals consecutively in 2020, 2022, and 2023. Additionally, he managed the UiTM Selangor Chess Team in 2020 and 2022.

Apart from actively participating at the UiTM level, he also takes part in other open chess competitions such as **Kejohanan Terbuka Catur Rare Disease 2023** in Negeri Sembilan and **Kejohanan Catur Terbuka QUAYSIDE Mall 2023** in Kota Kemuning, Selangor. Mr. Azhar's highest achievements include being named the Best Unrated Player among 100 participants in 2020 and winning the **Medics Intersarsity Games** in 2019.



*"Give, even when you know you can get nothing back" - Yasmin Mogahed*

# Selamat Hari Raya

maaf zahir & batin



## GET TO KNOW STAFF : DAYANA SYAHIRAH BINTI ADAM HONG



FOLLOW, LIKE & SHARE



FOLLOW, LIKE & SHARE



FOLLOW, LIKE & RETWEET



BROWSE & EXPLORE



LIKE, SUBSCRIBE & SHARE

Assalamualaikum and good day to the UiTM community. My name is Dayana Syahirah Binti Adam Hong. I am 27 years old and currently residing in Klang, Selangor. I am motivated, self-driven and love to improve myself to the fullest. Since childhood, I have dreamed of working in a laboratory setting, as I have been intrigued by science my whole life. This has led me to further my studies at UiTM Tapah for my Diploma in Sciences. I graduated with flying colors in 2017, yet I have faced many challenges concerning my career path. Ranging from a commercial pharmacy lab to a chemical lab, I would still have issues with what I would choose as a permanent career. Recently, just when I had decided that I would be settled with a research lab, a golden opportunity appeared, and I have been placed under the Institute of Medical Molecular Biotechnology (IMMB) as an Assistant Science Officer. Sensing a great future ahead (In Shaa Allah) and a positive working environment, hopefully I can contribute my services and assistance to IMMB, Faculty of Medicine, UiTM.



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