

Institute of Medical Molecular Biotechnology Newsletter



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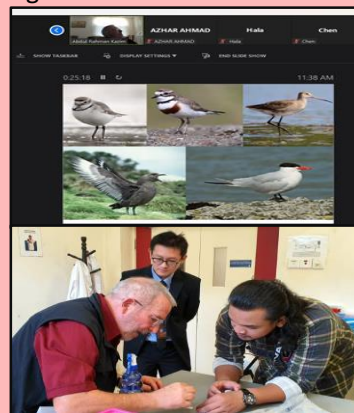


MAJLIS JAMUAN HARI RAYA AIDILFITRI PASCASISWAZAH FAKULTI PERUBATAN was held on 12th May 2023 at IMMB. The celebration was jointly organized by several departments; namely IMMB, Postgraduate Professional Training Office, Research Innovation Office, Neuroscience Research Center, LACU, and CENTRE. The reception started at 11:00 a.m. with the opening speech and the presentation of the Graduate on Time (GOT) certificates. The Dean of the Faculty of Medicine UiTM, **Assoc. Prof. Dr. Fazah Akhtar Hanapiah**, presented this certificate to the recipients; **Dr. Sarah Zulkifli**, **Dr. Aimi Zafira Razman**, and **Dr. Intan Suraya Noor Arzahan**. A total of about 250 guests were present, consisting of postgraduate students and staff. The event was also attended by the Deputy Dean of Research & Innovation of the Faculty of Medicine UiTM, **Assoc. Prof. Dr. Thuhairah Hasrah Abdul Rahman**, the Deputy Dean of Postgraduate & Professional Training of the Faculty of Medicine UiTM, **Assoc. Prof. Dr. Noor Shafina Mohd Nor**, the Deputy Dean Industry, Community and Alumni Network, **Assoc. Prof. Dr. Leny Suzana Suddin** & the Director of I-PPerForM, **Prof. Datin Dr. Hapizah Md Nawawi**.



The **IMMB INTERNATIONAL WEBINAR SERIES 03/2023** took place on 10th May 2023. The invited speaker was **Assistant Professor Dr. Natthida Sriboonvorakul** from **Mahidol University, Thailand**. She shared her expertise on the topic titled **"Clinical Mass Spectrometry: The Assessment of Biomarkers for Disease Development"**. During her presentation, she explained the principles of mass spectrometry and discussed the application of the clinical mass spectrometry approach in her research study. This talk was successfully attended by 20 participants and chaired by **Assoc. Prof. Dr. Heo Chong Chin**.

The **IMMB International Webinar Series 04/2023** took place on 23rd May 2023, with **Dr. Ricardo L. Palma**, the honorary research associate and a renowned specialist from the **Museum of New Zealand, Te Papa Tongarewa**, serving as the invited speaker. He shared his expertise on the topic titled **"New Zealand lice and their hosts: a pictorial review"**. During this hybrid-talk, he provided valuable insights into the various species of lice and their respective hosts. Dr. Palma captivated the audience with captivating visual presentations, showcasing numerous stunning and intriguing images related to the subject matter. This talk was chaired by Mr. Abdul Rahman Kazim bin Azli and was successfully attended physically by 20 participants with an additional 10 participants joining online. Following the talk, Mr. Abdul Rahman had the privilege of receiving personal mentoring from the esteemed speaker, on the process of pinning and mounting preserved insects.



SKILL UP: A demonstration of the EVOS M7000 was held on 11th May 2022. **Dr. Xie Wei**, a **product manager** from **Thermo Fisher Scientific**, was invited as the speaker. He shared her expertise on the topic titled **"Accelerating Your Cell Biology Study with High Content Imaging and Analysis Workflow"**. During this session, he discussed his knowledge and the challenges associated with cell imaging. Furthermore, he explained how the utilization of the EVOS M7000 and the invitrogen "Celleste" image analysis software can facilitate in obtaining high-quality results and completing research projects efficiently. This training session was successfully attended by approximately 10 participants.

ACTIVITIES, INITIATIVES & INVOLVEMENT

On 9th May 2023, the **IMMB TECHNICAL TALK 2023** was successfully conducted under the title "**Enhancing the Workflow of Immunoprecipitation and Subsequent Western Blot Detection**". During this talk, **Dr. Hui Ying**, the **Scientific Support representative** from **ABCAM PLC**, shared valuable information regarding the theory, workflow, and latest technologies available in the market. Furthermore, Dr. Hui provided troubleshooting tips encompassing protein loading, incubation times, ECL sensitivity, and blot exposure time. This is an important topic that should be highlighted, particularly for postgraduate students who face tight timelines in their work. The talk garnered a successful attendance of 23 participants and was moderated by Ms. Fateen from PLT Scientific Sdn Bhd.

Enhancing the Workflow of
Immunoprecipitation and Western Blot
Detection

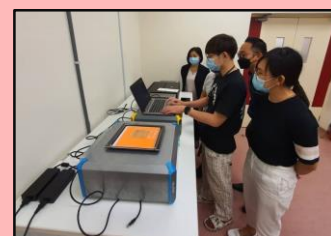
Hui Ying Lai, PhD
Scientific Support
9 May 2023

abcam



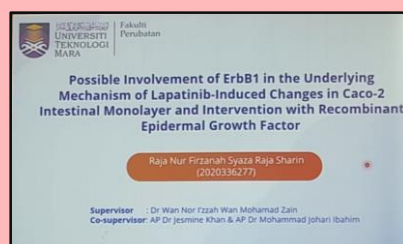
IMMB was delighted to have received a visit from **Assoc. Prof. Ts. Dr. Rosiah Rohani** at IMMB on 22nd May 2023. Assoc. Prof. Ts. Dr. Rosiah serves as the **Head of the Chemical and Process Engineering program** at the **Faculty of Engineering and Built Environment** in **UKM**. The visit was organized and led by **Assoc. Prof. Dr. Noor Alicezah Mohd Kasim**, and was also attended by her Ph.D. student, **Nur Syafeeqah Farhana Dzulkarnien**. The main objective of this visit was to familiarize Assoc. Prof. Ts. Dr. Rosiah with the research laboratory facilities and to identify the students' requirements in the development of nanoparticle wound dressing products. Following the visit, a comprehensive discussion took place, covering recent advancements and potential areas for future collaboration. Cross-functional collaboration like this is essential, especially in translating knowledge and research for commercialization. Moreover, collaboration between institutions, UiTM-UKM also promotes the dissemination of ideas by fostering knowledge exchange.

INDUSTRY ENGAGEMENT. To move forward, IMMB has actively explored industry collaboration through collaborative research and laboratory testing facilities. As one of the pilot projects, IMMB with the collaboration of **Revongen Sdn Bhd**, aims to demonstrate the proper usage of the imaging system in the context of the Western Blot and Blotting Technique. As part of this initiative, IMMB will produce high-quality results that can be incorporated into equipment instruction materials, emphasizing the optimal integration of the imaging system with IMMB's laboratory services. Alongside publishing research results in academic journals, industry's recognition holds significant importance for the development of IMMB's brand and internationalization efforts.



The director of IMMB, **Assoc. Prof. Dr. Heo Chong Chin**, was invited as one of the speakers at the **National Conference on Urban Pest 2023 (NCUP 3.0)** organized by the **Malaysia Pest Management Association (MPMA)** at **The Everly Putrajaya**. The conference was successfully organized on 16th and 17th May 2023. During his talk, Assoc. Prof. Dr. Heo shared his expertise on the topic titled "**Integrated Pest Management in Controlling Ticks**". Integrated Pest Management (IPM) is a smart, safe, and sustainable approach to tick control that has gained considerable interest due to its effectiveness in preventing tick-borne diseases. This conference aims to bring together stakeholders, researchers, and experts from the industry to share knowledge, insights, and best practises in the field of pest management. The conference not only facilitates the dissemination of knowledge but also encourages collaborative efforts to address challenges and advance the field of entomology.

On 31st June 2023, **Raja Nur Firzanah Syaza binti Raja Sharin**, an **MSc student** supervised by **Dr. Wan Nor Izzah Wan Mohamad Zain**, served as the invited presenter for the **IMMB JOURNAL CLUB**. As part of her efforts and preparations for the viva sesion, she shared her research findings on the topic titled "**Possible Involvement of ErbB1 in the Underlying Mechanism of Lapatinib-Induced Changes in Caco-2 Intestinal Monolayer and Intervention with Recombinant Epidermal Growth Factor (rEGF)**". During her talk, she provided a concise explanation of molecular targeted therapy and connected it to her research findings. This talk was attended by 22 participants and chaired by Mr. Azhar Ahmad.



"Tell me and I forget. Teach me and I remember. Involve me and I learn". -Benjamin Franklin

Farewell & All The Best

Farewell to our highly dedicated and exceptional supportive members, Mr. Tuan Muhd Hafidz Tuan Kamauzaman and Mrs. Roslina Ali. Thier unwaring commitment and contributions have greatly enriched IMMB. As they embark their new venture, we extend our heartfelt best wishes for thier continued success in their new field. May they conquer new horizons, overcome challenges and thrives in their careers.



Scan Me



Appreciation Ceremony : Junior Scientist Day - Crime Scene Investigation



This appreciation ceremony was held on 30th May 2023 at IMMB following the success of **the Junior Scientist Day: Crime Scene Investigation 2022 program**. The ceremony started at 11.00 a.m. with an opening speech by Senior Science Officer, Mr. Azhar Ahmad, on behalf of the Director of IMMB. The aim of this ceremony was to celebrate the contributions of the facilitators and staff during the program. The sacrifices made by them were significant, as they had temporarily left their duties for this program while actively contributing ideas to ensure its success. To enliven the atmosphere, the ceremony also featured a lucky draw, which was won by 10 attendees. The prizes for the lucky winners were presented by the IMMB officers, Mrs. Norita, Mr. Azhar, and Mr. Yusri. The ceremony ended around 2.30 p.m. and was attended by approximately 60 attendees, including facilitators and committee members from **IMMB, MPG, DOME, LACU, Faculty of Dentistry UiTM, HASA and Sg Buloh Hospital** led by Assoc. Prof. Dr Razuin Rahimi. We sincerely regret and deeply felt the absence of JSD's esteemed chairperson, **Dr. Mohd Danial Efendy Goon**, as well as the **BOMBA and PDRM** teams, who were unable to attend the ceremony.

Get information on our upcoming:

International Webinar | Journal Club | Research Talk | Basic Lecture | Services | Newsletter | Online Course | Workshop and everything else that you need to know about IMMB on our media social platforms

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