

Institute of Medical Molecular Biotechnology Newsletter



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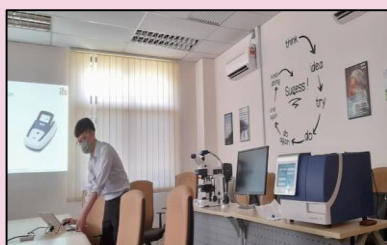


VISITING PROFESOR. IMMB is proud to receive **Prof. Dr. Hyo-Bang Moon**, from the Department of Marine Science and Convergence Engineering, **Hanyang University of South Korea** as the visiting professor for two days. He is an environmental analytical chemist with the expertise in environmental chemistry, wildlife ecotoxicology, as well as human exposure to persistent organic pollutants (POPs) and emerging contaminants. During the visit, he was exposed to the research facilities in IMMB and the Faculty of Medicine. Students and supervisors also had the opportunity to discuss with him during this visit. The discussion, led by **Assoc. Prof. Dr. Heo Chong Chin** focused on laboratory work and research collaboration opportunities lasted for about 2 hours in IMMB. Following the facilities visit and research discussions, the agenda of the visit continued on 9th Jan 2023 with a meeting alongside the Dean of the Faculty of Medicine, **AP. Dr. Fazah Akhtar Hanapiah** to discuss about the forms of collaboration that will be established in the future. This meeting was also attended by **AP. Dr. Thuhairah Hasrah Abdul Rahman**, the Deputy Dean of Research and Innovation, Faculty of Medicine.



On 9th Jan 2023, a sharing session on **'How To Write a Scientific Paper for Publication'** with **Prof. Dr. Hyo-Bang Moon** as the speaker was successfully conducted and attended by 37 postgraduate students. He had written more than 200 papers and handled more than 1,000 international papers yearly as the Associate Editor of an international academic journal. Based on this experience, he shared his expertise on publishing scientific papers starting from the content planning, deciding on the paper title, up until result explanation. At the end of this session, he also shared some tips on how to choose the publisher, submitting paper and getting accepted. This session was followed by a research presentation and discussion with postgraduate students. All these activities were conducted in Meeting Room 1, IMMB.

On 10th Jan 2023, **IMMB INTERNATIONAL WEBINAR 01/2023** was conducted with **Prof. Dr. Hyo-Bang Moon** as the speaker. He shared his research interest with the title of **'A Paradigm Shift For Environmental And Biological Monitoring With a Focus On The Organophosphorus Flame Retardants (OPFRs)'**. Organophosphate flame retardants (OPFRs) have been widely used as flame retardants and plasticizers in commercial products. Research of OPFRs in sea water have been done due to potential health risks of these compounds in Korea by his team. In comparison with exposure of OPFRs via dust ingestion, water consumption was a significant source of chlorinated PFRs for Koreans. This webinar was moderated by Assoc. Prof. Dr. Heo Chong Chin and successfully attended by 56 participants.



A SEMINAR ON DETECTION AND IMAGING IN RESEARCH APPLICATIONS was conducted on 17th Jan 2023 with **Mr. Ng Qi Ron** (Application Specialist) from Interscience Sdn. Bhd. as the invited speaker. This seminar introduced users to different detection modes in research, microscopy imaging and contrasting method and introduction to high content imaging system. This seminar aimed to improve participants' skills and expose them to the latest technology in the market. This seminar was successfully attended by 20 participants.

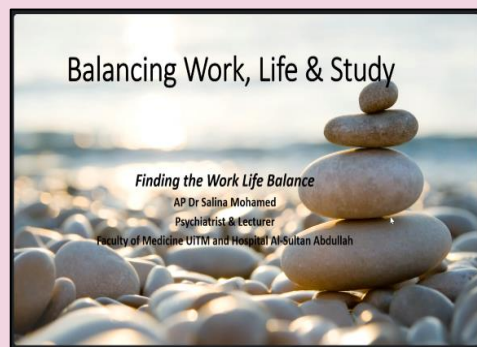
ACTIVITIES, INITIATIVES & INVOLVEMENT

A SEMINAR ON SAFETY HANDLING OF COMPRESSED GASES AND LIQUID NITROGEN was successfully conducted on 18th Jan 2023. This seminar was co-organized with SOSHCo, Faculty of Medicine UiTM and was successfully attended by 38 participants. **Mr. Lim Kok Weng**, the Product Quality and Safety Manager from **Alpha Gas Solution Sdn. Bhd.** was invited as a speaker based on his 14 years of working experience in chemical gases. In this seminar, he shared his experience on safety, uses, precautions, handling and storage of liquid nitrogen. This seminar is important to raise the awareness and knowledge among the users to ensure the working environment remains in a safe condition.



A SITE VISIT TO IMMB by **Professor Zhang Dejun** was held on 19th Jan 2023. He is a research fellow of the Research Center for High Altitude Medicine, Medical College, Qinghai University, and he is currently-the Deputy Dean of the Ecology and Environmental Engineering College, **Qinghai University, China**. This visit was led by **Prof Dr. Wong Tin Wui**, the Head of Non-Destructive Biomedical and Pharmaceutical Research Center, **Faculty of Pharmacy, UiTM**. During the visit, they were exposed to the facilities and research activities at IMMB. A lot of things were discussed for research collaborations including research facilities, lab equipments, research strategies, grants and research focus.

MediPA Health Talk 2023: Anxiety: Finding The Work Life Balance. The very first talk organized by **MediPA** this year was successfully conducted on 27th Jan 2023. **Assoc. Prof. Dr. Salina Mohamed**, a psychiatrist from the **Faculty of Medicine UiTM** was invited as a speaker to talk about this topic. From her sharing, it is very important to take care of our mental health since numerous factors can trigger stress, worry, fear which then may lead to mental health disorders such as anxiety or depression. She also shared the symptoms of physical, behavioral and mental anxieties. To overcome this problem, we should practice being a mindful person, where mindfulness practices may help us to increase the ability to relax and improve our self-esteem. This seminar was successfully attended by 100 participants.



Congratulations to our three recent Msc graduates (MD 780) for receiving the **ANUGERAH PENYELIDIKAN CEMERLANG (APC)**. They are **Norhidayah Rosman** under the supervision of **Dr. Chua Ang Lim**, **Nur Aliah Natasha Azmi** under the supervision of **Assoc. Prof. Dr. Heo Chong Chin** and **Nur Amira Md. Amin** under the supervision of **Assoc. Prof. Dr. Siti Hamimah Sheikh Abdul Kadir**. May this recognition serves as a stepping stone for more achievements in the future!

THANK YOU. Many thanks to **Dr. Sarah Zulkifli** for her service as a **COPY EDITOR** for **IMMB NEWSLETTERS**. Ms. Sarah has been our copy editor since the first issue of this bulletin on November 2020 until the 27th issue, Jan 2023. She was a University College London Graduate and started her journey as an MSc student (MD780) at UiTM Sg Buloh in February 2020. She was then awarded with PhD conversion (MD990) in May 2021, and her PhD was finally endorsed by senate in February 2023. Her PhD research title is "**The Impact Of Bisphenol A (BPA) Exposure In Utero And Postnatal Trans Fat Diet on Small Intestine Global DNA Methylation and Gut Microbiome of Sprague Dawley Rats**", under the supervision of **Assoc. Prof. Dr. Noor Shafina Mohd Nor**. Throughout her PhD, she successfully published 3 papers in research leading journals, and won 2 awards in innovation competitions. **It was a great pleasure to work with you. Your skills and commitment delivered substantial success to our team. All the best!**



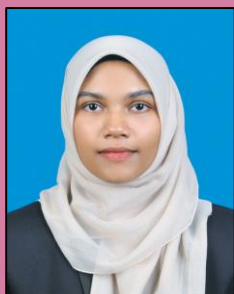
"Education is the most powerful weapon you can use to change the world." —B.B. King

ADMINISTRATIVE INDUSTRIAL TRAINING

As one of the research centers in UiTM Sg Buloh Campus, IMMB always encourages undergraduate students from various fields to gain knowledge and experience here. Most recently, IMMB is very pleased to welcome Nur Maisarah Mahadi and Nor Azizah Abdul Aziz, industrial training students from UiTM Seremban 3, Negeri Sembilan at the IMMB Administrative Office. This is the first time IMMB has accepted trainees in the Administration Office. Starting with the recruitment advertisement and student placement application, we have discussed it further with **Mdm Zurina Md Nen**, the senior lecturer & industrial training coordinator from the **Faculty of Administrative Science and Policy Studies, University Technology MARA Negeri Sembilan**. This discussion then led to the placement of both students at IMMB. Throughout the industrial training period at IMMB, both of them will be under the supervision of AP. Dr. Heo Chong Chin and Ms. Siti Nur Nabilah Hussin for the administrative tasks, events and student management. We sincerely hope that this cooperation will be beneficial to all parties and remain for the times to come.

OUR NEW INDUSTRIAL TRAINING STUDENTS

Training Period: 7 February 2023 until 28 April 2023



Nor Azizah Binti Abdul Aziz



Nur Maisarah Binti Mahadi

Both of them are Bachelor of Administrative Science (Hons.) students from the Faculty of Administrative Science and Policy Studies, UiTM Negeri Sembilan.

INTERNSHIP EXPERIENCE: SINAN ARIF ARAMAZ

*"As a post A-level student, I had joined IMMB for a week placement arranged by Prof. Dr. Nor Ashikin Mohamed Noor Khan and AP. Dr. Heo Chong Chin, where I could learn under a range of researchers and research assistants in the labs. I could do different structured activities each day such as training in aseptic technique, cell culture, protein-based and DNA-based methods like ELISA and Electrophoresis following a lab safety course. I could also learn about the projects of individual students and postdoctoral researchers over meals and break-times which expanded my horizons in fields which I hadn't even heard of before, like forensic entomology. I could also have a conversation with a leading visiting scientist in the field about his work and journey through academia, which was eye opening. My time at IMMB helped me to understand how research in the Life Sciences functions at a human level, which was very valuable for my ambition to enter medical research in the future. Furthermore, through exposure to the resilience, communication and teamwork required in the lab, I gained valuable experience for a future in medical science. **I ultimately used these experiences as a part of my successful application to study Medicine at Cambridge University, United Kingdom**"*



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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