

- **Name** Yi Yi Kyaw
- **Current Position** Deputy Director (Research)  
Molecular Technology Applications Division  
Advanced Molecular Research Centre  
Department of Medical Research  
Ministry of Health and Sports
- **Country** Myanmar

- **Academic Qualification**

<u>Name of Institution</u>	<u>Year</u>	<u>Degree</u>
Institute of Medicine (1)	1993	M.B., B.S.
University of Medicine (1)	2005	M.Med.Sc (Medical Microbiology)

**Professional Experience**

<b>Years of service (From - To)</b>	<b>Designation</b>	<b>Department</b>
1994 - 1995	Civil Assistant Surgeon	Central Women Hospital, Yangon
1995 - 1999	Civil Assistant Surgeon	Myan Aung District Hospital, Irrawaddy Division
1999- 2005	Research Officer	Experimental Medicine Research Division
2006- 2011	Research Scientist	Experimental Medicine Research Division
2011 - 2012	Deputy Director	Blood Programming Division
2012- 2015	Deputy Director	Experimental Medicine Research Division
2015 to date	Deputy Director	Molecular Technology Applications Division, AMRC

- **Membership/ Honors**

1. Member -Myanmar Medical Association
2. Member-Myanmar Microbiology Society
3. Member- Myanmar Association of Japan Alumni
4. Secretary- GI and Liver Scientific Group- Department of Medical Research
5. American Society for Microbiology: Member
6. Supervision of Master and Doctorate thesis

- **Academic Awards**

- Best applied research paper award in Myanmar Health Research Congresses 2004
- Best basic research paper award in Myanmar Health Research Congress 2017
- Best Poster award in Myanmar Health Research Congress 2020
- Travel Grant Award in Singapore Hepatitis Conference 2015
- Travel Grant Award in LMCE 2019 (Laboratory Medicine Congress and Exhibition) and KSLM 60<sup>th</sup> Annual Meeting, Busan, Republic of Korea

- **Current Research Area**

- (1) Emerging drug resistant hepatitis B virus
- (2) Molecular typing and characterization of viral hepatitis B and C
- (3) Hepatitis B virus gene mutations and its functional relation studies
- (4) Molecular characterization of HIV- Hepatitis co-infection

- **Selected Publications:**

1. **Yi Yi Kyaw**, Aye Aye Lwin, Khin Saw Aye, Hlaing Myat Thu, Moh Moh Htun , Hnin Ohmar Soe, Kay Thi Aye, Kyaw Zin Thant, Hyeon Jeong Hwang and JaeHun Cheong. Distribution of hepatitis B virus genotypes in the general population of Myanmar via nationwide study. ***BMC Infectious Diseases (2020) 20:552***
2. Myat Htut Nyunt, Hnin Ohnmar Soe, Wah Wah Aung, **Yi Yi Kyaw**, Aung Kyaw Kyaw, Theingi Win Myat, Aung Zaw Latt et al. Surge of severe acute respiratory syndrome Corona virus 2 infections linked to single introduction of a virus strain in Myanmar. ***Nature's Scientific Reports*** 2021; <https://doi.org/10.21203/rs.3.rs-91473/v1>
3. Kwang Bi Hwang, **Yi Yi Kyaw**, Hyo Rin Kang, Mi So Seong and JaeHun Cheong. Mitochondrial dysfunction stimulates HBV gene expression through lipogenic transcription factor activation ***Virus Research 2020; 277: 197842***
4. **Yi Yi Kyaw**, Aye Aye Lwin, Moh Moh Htun, Hnin Ohnmar Soe, Ohnmar Lwin, Khin Saw Aye. Usefulness of Dried Blood Spot Sample for Viral Load Quantification and HBV Genotyping in Myanmar. ***Myanmar Health Sciences Research Journal (2019), 31(1): April: 93-95***
5. So Young Kim, **Yi Yi Kyaw**, Mi So Seong, Ki Hyung Kim and Jae Hun Cheong. Curcumin suppress an endometrial cell inflammation through inhibition of SREBP-1. ***Integrative Molecular Medicine 2019; 6:1-6***

6. **Yi Yi Kyaw**, Hnin Ohnmar Soe, Aye Aye Lwin, Kay Thi Aye, Win Naing, Naing Naing Htun, Hlaing Myat Thu & Jae Hun Cheong. Hepatitis B and C virus Genotypes among Chronic Liver Diseases Patients in Myanmar; Multiple Genotypes and subtypes of Hepatitis B and C viruses. *Annals of Lab. Med. Supplement 2018*; 36(1): p122.
7. So Young Kim, **Yi Yi Kyaw**, Jaehun Cheong. Functional interaction of endoplasmic reticulum stress and hepatitis B virus in the pathogenesis of liver diseases. *World J Gastroenterol 2017* November 21; 23(43): 7657-7665.
8. Eun Taek Han, Jong Seok Lee, JaeHun Cheong, Chulhun L Chang, Myat Htut Nyunt, Wah Wah Aung, **Yi Yi Kyaw** and Kyaw Zin Thant. Current Status of Standard Diagnostics and Treatment for Malaria, Tuberculosis, and Hepatitis in Myanmar. *Lab Med Online July 2017*; Vol. 7, No. 3: 94-102.
9. Aung Zaw Latt, Nyi Nyi Win, Kay Thi Aye, Hlaing Myat Thu, **Yi Yi Kyaw**, Kyaw Zin Thant. Whole genome sequencing of hepatitis B virus (HBV) strains from Myanmar. *Journal of Biological Engineering Research and Review 2017*; 4(2):01-16
10. Aye Aye Lwin, Khin Saw Aye, Moh Moh Htun, **Yi Yi Kyaw**, Ko Ko Zaw, Toe Thiri Aung, Myat Phone Kyaw, Khin Pyone Kyi & Kyaw Zin Thant. Prevalence of hepatitis B and C viral infections in Myanmar. *Myanmar Health Sciences Research Journal*, Vol. 29, No. 3, 2017. P.167-175
11. Khin May Oo, Aye Aye Lwin, **Yi Yi Kyaw**, Win Maw Tun, Kazutake Fukada, Akiko Goshima, Takahashi Shimada, Shigeru Okada. Safety and long-term effect of the probiotic FK 23 in patients with hepatitis C virus infection. *Bioscience of Microbiota, Food and Health 2016*; Vol. 35 (3), 123–128.
12. **Yi Yi Kyaw**, Aye Aye Win, Hyun Kook Cho, Chulhun L Chang, Kay Thi Aye, Nyi Nyi Win, Hlaing Myat Thu, Jae Hun Cheong and Kyaw Zin Thant (2015). Sequencing of Sub-genomic fragment (Pre-S region) for detection of hepatitis B genotypes in Myanmar. *Ann Lab Med 2015*;35: Supplement1: S3
13. Hyun Kook Cho, So Young Kim, **Yi Yi Kyaw**, Aye Aye Win, Seung Hoi Koo, Hyeong Hoo Kim and Jae Hun Cheong. HBx induces the proliferation of hepatocellular carcinoma cells via AP1 overexpressed by ER stress. *Biochemistry Journal 2014*.466(part1): pp115-121.
14. Khin May Oo, Aye Aye Lwin, **Yi Yi Kyaw**, Myat Tin Htwe Kyaw, Ohmar Lwin, Haymar Hpoo, Takashi Shimada, Shigeru Okada. Preliminary Findings on the effectiveness of Heat-treated *Enterococcus faecalis* FK-23 preparation in the management of Hepatitis C carriers. *Hepatology International (2010)*; (4)1: p199.