

Nilar Myat Aung

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I am a recent Master of Medical Science graduate and hope to pursue a career in medicine. I possess a strong background in biomedical science along with a familiarity in the Hong Kong R&D industry. As a registered Medical Laboratory Technologist (Part II), I am able to execute research projects proficiently and professionally. Having moved to Thailand from Myanmar, I thrive in a multicultural environment and have been passionate in developing my global impact, leadership skills, and medical knowledge.

Education

The University of Hong Kong	2023-2024
Master of Medical Sciences	
City University of Hong Kong	2017-2021
Bachelor of Biomedical Sciences	

Work Experience

Research Assistant – HKU Department of Obstetrics & Gynaecology **Dec 2024- Present**

- Leading clinical investigations on sperm DNA fragmentation and pregnancy outcomes
- Assessing sperm processing techniques and their effects on parameters important for predicting success for in-vitro fertilization and intracytoplasmic sperm injection
- Performed embryological culture and manipulation techniques implemented in Queen Mary Hospital & Kwong Wah Hospital

Scientist - Arbele Limited & Tiberias Technology **Aug 2022 - Aug 2023**

- Led patient prescreening of ongoing clinical trials for first-in-human study of bispecific antibody against markers in advanced gastrointestinal malignancies
- Developed and performed standard operating procedures for histological techniques used in clinical trials
- Ng L, Yu WS, **Aung NM**, Leung P, Luk JM, Wong DA, Sun S, Foo DC. Tissue Cadherin 17 (CDH17): An Important Prognostic Determinant of Colorectal Cancer Using Digital Image Analysis. Cancer Rep (Hoboken). 2024 Dec;7(12):e70069. doi: 10.1002/cnr2.70069. PMID: 39617741; PMCID: PMC11608892.

Research Assistant - Arbele Limited **Aug 2021 - Aug 2022**

- Optimized tissue diagnostics tests for the successful application of the ISO9001:2015 accreditation
- Research into the development of molecular diagnostic tests and immune assays for detection of cancer markers
- Verified and validated in-house antibodies for registration as a companion diagnostic device

Intern - Canossa Hospital **Dec 2020 - Jan 2021**

- Trained with experienced laboratory technicians and pathologists in Diagnostix Pathology Labs in histological techniques from sample registration to disease diagnosis

- Completed comprehensive manual and automated staining practices and routine tests approved by the HOKLAS accreditation
- Gained experience in hospital and laboratory management systems and quality assurance programs

Undergraduate Research Assistant– City University of Hong Kong July 2020-May 2021

- Focused on sensory neuroscience and exploring the effects of sensory deficits in cognitive decline
- Conducted behavioral experiments, created ‘hearing loss’ and ‘stress’ mice models, and surgical manipulation of the brain
- Contributed and analyzed experimental data from Auditory Brainstem Recordings (ABR) and cortical stimulation in the project “Graphene Mediated Tinnitus Alleviation”

Extracurriculars

Intercultural Education Global Cultural Ambassador Scheme [Ambassador]	2024-Present
Hong Kong Life Sciences Society Mentorship Scheme [Mentee]	2024-Present
CityU Alumni Mentoring Program [Mentor]	2022-Present
Speaking Hub Thailand [Volunteer Teacher]	2020-Present
TEDxCityUHongKong [Event Manager]	2017-2021
Global Leaders’ Program [Student Ambassador]	2017-2021

Achievements & Awards

Outstanding Community Service Awards	2020
The FANS Awards- Top Outstanding Student Leader Award	2018
City University of Hong Kong International Student Scholarship	2017-2021
Deans’ List CityU Department of Biomedical Sciences	2017

Certifications

Registered Medical Laboratory Technologist (Registration No. MT204522)	2021-Present
ISO 9001:2015 Internal Auditor	2022

Languages: Burmese (Fluent), English (Fluent), Thai (Intermediate), Spanish (Conversational), Cantonese (Conversational), Mandarin (Conversational)