

TAE RUO-SHAN

CAREER OBJECTIVES



Recent Medical Biotechnology Graduate from International Medical University (IMU) seeking for a placement in a biotechnology-related field to deepen my skills and improve in fields that I have interest in so that I am able to learn independently.

CONTACT INFORMATION

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EDUCATION HISTORY

UNIVERSITI MALAYA

MSc of Medical Science (March 2024 - Present)

- Laboratory manager
- Committee member for AMRWISE

INTERNATIONAL MEDICAL UNIVERSITY

BSc (Hons) Medical Biotechnology (September 2020 - November 2023)

- Member of Malaysian Bioscience Scholars - MBIOS (Marketing Team 2020/2021)
- Member of Design Team for Medical Biotechnology Day 2021
- Head of Design Team for Medical Biotechnology Day 2022
- Class representative of Semester 4 (January 2022 - June 2022)

WORK HISTORY

PHARMACY ASSISTANT

Georgetown Pharmacy, Tanjung Bungah | January 2020 - June 2020

- Assisted pharmacist in dispensing medicine
- Managed dispensary stocks (stock keeping)
- Designed advertisements for house brands
- Managed medicine according to its function
- Registered new products and created barcodes
- Managed daily transaction income

KITCHEN HELPER / WAITRESS

Hot Ritz Western Food, Tanjung Bungah Branch | January 2018 - July 2018

- Managed dispensary stocks (stock keeping)
- Managed daily transaction income
- Designed menus and shop logo
- Assisted chef in kitchen

ASSISTANT TEACHER

Little Treasure Playgroup | Dec 2016

- Assisted kids of special needs
- Assisted kids as a teacher aid

SKILLS

Cell and Tissue Culture

- HepG2 and HEK293 Cell Culture
- Cell Count using Haemocytometer
- Cell Viability Testing using MTT Assay
- Plant Tissue Culture Callus Induction

Molecular Biology

- Nucleic acids and Protein Purification
- qPCR
- SDS-PAGE
- Gel Electrophoresis
- Immunofluorescent Staining (DAPI)
- Protein Estimation using Bradford Assay

Microbiology and Parasitology

- Aseptic Techniques
- Antimicrobial Susceptibility Testing
- Biochemical Tests (Oxidase test, Catalase test, Coagulase test, API20E)
- Microscopic Identification
- Staining Techniques (Gram staining, Kinyoun staining)
- Antibiotic Sensitivity Test (Kirby-Bauer test)
- Multilocus Sequence Typing
- DNA Extraction from stool
- DNA Extraction from saliva
- DNA Extraction from food samples

Analytical Chemistry

- Ion Exchange Chromatography
- UV-Vis Spectrometry
- Chemical Identification of Unknown Compound

Toxicology and Toxinology

- Toxicity testing using LDH Assay
- Ames Test

Algorithm & Data Science

- Linux
- C-Programming
- HTML / Mark-up Language
- mySQL
- LibreOffice
- RStudio
- Python
- OpenRefine

Bioinformatics & Structural Biology

- Protein Data Bank (PDB)
- ChemSketch
- UniProt
- PyMol
- GenBank
- Blast
- Discovery Studio
- AutodockTools

Experimentation on Animals

- Basic Animal Care and Maintenance
- Anesthesia and Drug Administration
- Macrophage Collection
- Cardiac Puncture
- Autopsy
- Skin scrapping for Parasites
- Necropsy Examination for Parasites