

Application Form for Exchange Students

For Lee Kong Chian School of Medicine, Nanyang Technological University, Singapore (Inbound Students of Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand)

Part 1. Personal Information

Full Name	Dylan Koh
Title	Mr.
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Part 2. Academic Information

Level of Study	Doctoral Degree
Current Major/ Area of Study	Cell Biology
Research/ Dissertation Topic	Understanding the mechanisms of intracellular cholesterol homeostasis

Part 3. Preference for Research Visit


Batch for Research Visit	Batch 2/2022 (Mar 2023 - Apr 2023)
Duration (working days)	5-10 days




DYLAN KOH HONG ZHENG

PhD CANDIDATE

CONTACT

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EDUCATION

Ph.D (By Research)

Nanyang Technological University
Lee Kong Chian School of Medicine
2019 – Present

B.Sc (Hons) in Biological Sciences

Nanyang Technological University
School of Biological Sciences
2016 – Present
Cumulative GPA: 4.53 / 5.00

Diploma in Biomedical Sciences

Singapore Polytechnic
School of Chemical and Life Sciences
2011 – 2014
Cumulative GPA: 3.934 / 4.00

SKILLS AND ABILITIES

Laboratory Skills



Molecular Cloning



Protein Purification



Confocal Microscopy

IT Skills



Adobe Illustrator



Adobe Photoshop



Microsoft Office

PROFILE

An independent and self-motivated individual who is immensely driven and inquisitive towards the intricacies of how things function. Constantly in the pursuit of novel knowledge and technologies which assist in the discovery of the enigmatic mechanisms of homeostasis.

EXPERIENCES

DOCTOR OF PHILOSOPHY (PhD)

LKCmedicine | The Saheki Lab | June 2019 – Present

Conducted studies and experiments including biochemistry studies, molecular cloning, and confocal microscopy to understand the mechanism of intracellular cholesterol homeostasis.

RESEARCH INTERN / FINAL YEAR PROJECT STUDENT

LKCmedicine | The Saheki Lab | May 2018 – May 2019

Planned and performed molecular cloning, immunoblotting, and confocal microscopy imaging to elucidate the function and dynamics of GRAMD1 proteins at Endoplasmic Reticulum (ER)-intracellular organelles and ER-plasma membrane contact sites.

RESEARCH INTERN

NTU | Koh Cheng Gee Lab | May 2017 – August 2017

Designed experiments to understand the regulatory effects of POPX2 on CHK1 in DNA damage pathway using laboratory techniques such as immunoblotting and epi-fluorescent microscopy.

MEDICAL TECHNOLOGIST (PHLEBOTOMIST)

National Healthcare Group | April 2014 – October 2014

Performed venipuncture and capillary skin punctures on patients to collect samples for laboratory analysis and carried out laboratory sample analysis such as peripheral blood smear, urinalysis, and various blood tests to obtain diagnostics results for patients.

RESEARCH INTERN

NTU | Andrew Tan Nguan Soon Lab | April 2013 – December 2013

Designed and executed out experiments such as RT-PCR, qPCR, gel electrophoresis, western blotting, cell culture, HPLC, and surface plasmon resonance (SPR) to elucidate biological consequences of somatic missense mutation of *ANGPTL4* gene.

REFERENCES

Dr. Tan Nguan Soon, Andrew

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Dr. Yasunori Saheki

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