

YEN BAO HUYNH

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First year Ph.D. Student working in the field of metabolomics. My current research experience is heavily based on synergistic drug discovery followed by metabolic flux analysis using mainly chromatography – mass spectrometry approaches. I'm highly interested in working in the pharmaceutical and nutraceutical industry as a metabolomist!

EDUCATION

The University of Texas at Austin, TX **Jan 2021 – Present**

- 1st year Ph.D. student in the Department of Nutritional Sciences

Osaka University, Japan **2016 – 2020**

- Bachelor of Engineering in Biotechnology
- Muranaka Laboratory, Department of Biotechnology, School of Engineering
- Honor: Japanese Government Monbukagakusho Scholarship 2016-2020

RESEARCH and TEACHING EXPERIENCE

Graduate researcher, Tiziani Laboratory, UT Austin **Jan 2021 - Present**

- First year PhD Student working in synergistic drug discovery followed by metabolic flux analysis of the drugs' effects on leukemia cell lines.
- Technical skills: GC-MS, LC-MS, tissue cultures, drug screening, programming in R
- Background knowledge: cancer metabolism, metabolomics and nutrigenomics

Teaching Assistant, UT Austin **Jan 2021 – Present**

- Teaching assistant in the Fundamentals to Nutrition (NTR 306) class at UT

Undergraduate researcher **April 2019 – September 2020**

Muranaka Laboratory, Osaka University

- Research and genetically engineer the Mevalonate Pathway in *Saccharomyces cerevisiae* yeast strain to boost triterpenoid production. Triterpenoids are a class of plant secondary metabolites with various useful bioactivities.
- Technical skills: DNA cloning, colony PCR, yeast culturing, Gas chromatography – Mass spectroscopy (GC-MS), agro-infiltration of tobacco plant *Nicotiana benthamiana*

LANGUAGES

Languages: Vietnamese (mother tongue), English (fluent), Japanese (intermediate)