PANDE PUTU ERAWIJANTARI

Interested in applying bioinformatics analysis on the complex multi-omics data such as metagenomic, metabolomic, and metatranscriptomic. Current research mainly focuses on the dynamics of the human gut microbiome in human health and diseases conditions. Seeking for multidiscliplinary research opportunity in genomic data exploration particularly from large scale microbiome study for understanding host-microbiome interaction.



EDUCATION

2020 2017

D.Sc.-Life Science and Technology

Tokyo Institute of Technology

♥ Tokyo JP

- · Research project: Microbiome multi-omics analysis
- · Skills learned: Multi-omics integration, Biostatistic, Machine learning

2017 2015 M.Sc.-Biological Information

Tokyo Institute of Technology

♀Tokvo JP

- · Research project: Gut microbiome in gastrointestinal related diseases
- · Skills learned: Metagenomics analysis pipeline, Biostatistic

2014 2010

B.Sc.-Biology

Institut Teknologi Bandung

Bandung ID

- · Research project: Gene mutagenesis isolated from deep sea metagenome
- · Skills learned: Site-directed mutagenesis, Genetic engineering, Protein expression, Enzyme kinetic



SELECTED PUBLICATIONS

2020

Influence of gastrectomy for gastric cancer treatment on faecal microbiome and metabolome profiles

Erawijantari PP, Mizutani S, Shiroma H, Shiba S, Nakajima T, Sakamoto T, Saito Y, Fukuda S, Yachida S, Yamada T. Gut. doi:10.1136/gutjnl-2019-319188

2016

Anti-inflammatory effect of mangosteen (Garcinia mangostana L.) peel extract and its compounds in LPS-induced RAW264.7 cell

Widowati W, Darsono L, Suherman J, Fauziah N, Maesaroh M, Erawijantari PP. Nat Prod Sci 22(3):147-153.

2015

In vitro study of Myristica fragrans seed (Nutmeg) ethanolic extract and quercetin compound as anti-inflammatory agent

Dewi K, Widyarto B, Erawijantari PP, Widowati W. Int J Res Med Sci 3 (9), 2303-2310.



SELECTED CONFERENCES

October, 2019

Fecal microbiome and metabolome characterizations of patients after gastrectomy for gastric cancer treatment

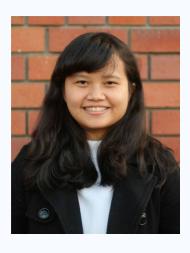
Erawijantari PP, Mizutani S, Shiroma H, Yachida S, Yamada T. Keystone Symposia on Molecular and Cellular Biology: Microbiome: Therapeutic Implications (T1). Poster.

June, 2018

Metagenomic and metabolomic profiling to characterize the effect of gastrectomy as gastric cancer treatment on human gut microbiome

Erawijantari PP, Mizutani S, Shiroma H, Yachida S, Yamada T. 7th International Human Microbiome Consortium: Translating microbiome science. Poster.

· Selected as Early Career Scientist Bursary Recipient



CONTACT

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- **y** erawijantaript
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- **J** +358 44 922 6584

SKILLS

Python

₽R

Git ولأ

>_ Bash

Å Unix/Linux

■ HPC (SGE)

Experienced in computational bioinformatics and biostatistics applied for next-generation sequencing data integrated to other omics analyses, especially for microbiome study.

This resume was made with the R package pagedown.

> Source code available at: github.com/erawijantari/cv. Last updated on 2021-01-01.

♣☐ TEACHING EXPERIENCES

2020 2019

Initiator and Tutor for RPyID Session

Local community of Indonesian students in Tokyo Institute of Technology **♀**Tokvo JP

- · Introductions of R and Python for data analysis
- · Designing the biweekly meeting course and discussion
- · Sites: RPyID-GitHub

2018

Teaching Asistant-International Bio-Creative Design

School of Life Science and Technology, Tokyo Tech

- **♀**Tokvo JP
- · Tutor for discussion using topic from "The Breakthrough of the year" selected by the Journal "Science"
- · Sites: International Bio-Creative Design

2017

Research Asistant-LST Bioleader Training 1

School of Life Science and Technology, Tokyo Tech

- **♀** Tokyo JP
- · Supervising a master student's project in Yamada laboratory-Tokyo Tech
- · Sites: LST Bioleader Training 1



Y SELECTED AWARDS

2020 2015

Japanese Government (Monbukagakusho:MEXT) Scholarship recipient

Awarded to foreign students who study in higher education institutions, selected on the recommendation of Japanese Embassy/Consulate General, University, or Authority.

International Human Microbiome Consortium 2018 Early Career Scientist 2018 **Bursary Recipient**

> Conference travel grant available to 12 scientists works on human microbiome research.

Gold medalist as ITB Indonesia team on iGEM (International Genetically 2014 **Engineered Machine**)

> Project title: "Ecoliplaster: cell biocatalyst for PET plastic degradation using E. coli".

III WORK EXPERIENCES

2020 2017

Research Assistant

Yamada Laboratory-Tokyo Institute of Technology

- ▼ Tokvo JP
- · Primarly working on multi-omics analysis of gastrectomy patients
- · Contribute to data analysis on hereditary colorectal cancer project
- · Contribute to the methods development for the eukaryotic fraction detection

2019 2018 Student Intern-Data Analyst

Metabologenomics, Inc.

♥ Tokyo JP

· Contribute as data analyst and metagenomic pipeline development

2015 2014 Research Scientist

Biomolecular and Biomedical Research Center, Aretha Medika Utama **♀**Bandung ID

· Carried out analyses on the phytochemical bioactive screening for cancer treatment using human cells line model

Teaching give me an opportunity to learn new things. Designing the course and developing effective teaching approach are a challenging process that I mostly enjoyed.

REFERENCES

1. LEO LAHTI, D.Sc

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2. TAKUJI YAMADA, Ph.D

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