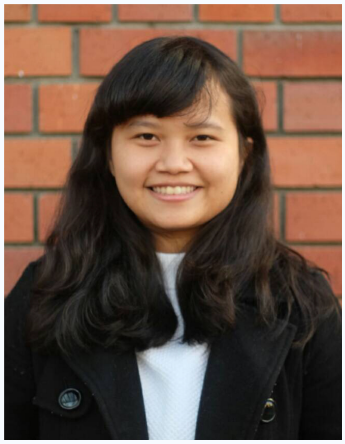
PANDE PUTU ERAWIJANTARI

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.



CONTACT

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SKILLS

- Python
- R
- Git
- Bash
- 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.

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 — Tokyo 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*

*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

Tokyo 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

Tokyo 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

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.

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.

2018

International Human Microbiome Consortium 2018 Early Career Scientist Bursary Recipient

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

2014

Gold medalist as ITB_Indonesia team on iGEM (International Genetically Engineered Machine)

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

WORK EXPERIENCES

2020 | 2017

Research Assistant

Yamada Laboratory-Tokyo Institute of Technology

Tokyo 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

REFERENCES

1. LEO LAHTI, D.Sc
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2. TEEMU NIIRANEN, MD, Ph.D
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Department of Clinical Medicine
Faculty of Medicine
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3. TAKUJI YAMADA, Ph.D
Associate Professor
School of Life Science and Technology
Tokyo Institute of Technology
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