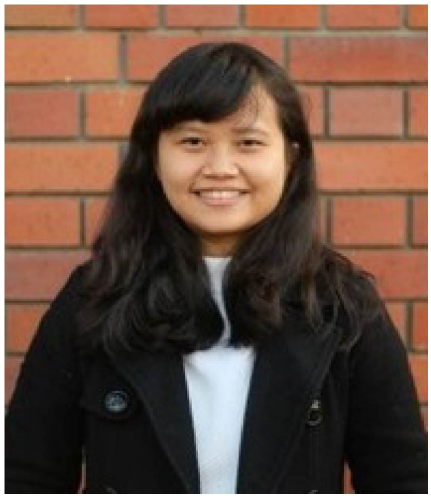
PANDE PUTU ERAWIJANTARI

Interested in applying bioinformatics analysis on the complex multi-omics data such as metagenomic, metabolomic, and metatranscriptomic. Current research mainly focus on the dynamics of human gut microbiome in the gastrointestinal-related diseases and its association to treatment effectiveness.



EDUCATION

Present | 2017

PhD Candidate-Life Science and Technology
Tokyo Institute of Technology — Tokyo JP

- **Research project**: Multi-omics analysis gut microbiome
- **Skills learned**: Metagenomics analysis pipeline, 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

2019

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*. In-press.

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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github.com/erawijantari
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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 analysis especially for microbiome study.

*This resume was made with the R package **pagedown**.*

Source code available at: github.com/erawijantari/cv.
Last updated on 2019-12-22.

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 and available to 12 scientists works on human microbiome research.

2014

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

The project title: Ecoliplaster :cell biocatalyst for PET plastic degradation using E. coli

WORK EXPERIENCES

Present | 2018

Student Intern-Data Analyst

METABOLOGENOMICS, INC. — Tokyo JP

- Contribute as data analyst and metagenomic pipeline development

Present | 2017

Research Assistant

Yamada Laboratory-Tokyo Institute of Technology — Tokyo JP

- Contribute to methods development for the eukaryotic fraction detection and metagenomics analysis pipeline

2015 | 2014

Research Scientist

Biomolecular and Biomedical Research Center, Aretha Medika Utama — Bandung ID

- Carried out analyses on the phytochemical bioactive screening and the potential of Mesenchymal Stem Cells for cancer treatment using human cells line model.

2013

On Job Training

Environmental Affairs Department, PT Newmont Nusa Tenggara — Sumbawa ID

- Participated in the environmental assessment as the results of mining process and propose the solutions based on the analysis.

REFERENCE

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