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**: 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

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.

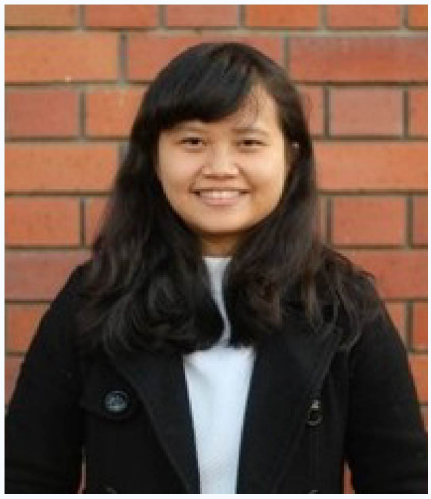
2015 — **In vitro study of Myristica fragrans seed (Nutmeg) ethanolic extract and quercetin compound as anti-inflammatory agent**
Dewi K, Widyarto B, **Erawijantari PP**, Widowati W. *Int J Res Med Sci* 3 (9), 2303-2310.

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

erawijantari@gmail.com
erawijantari.p.aa@m.titech.ac.jp
erawijantaript
github.com/erawijantari
erawijantari.github.io
+81 3-5734-3591

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 2019-12-23.

TEACHING EXPERIENCES

Present | 2019

Initiator and Tutor for RPyID Session

Local community of Indonesian 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 one of master student’s project in the laboratory
- Sites: LST Bioleader Training 1

I am passionate about teaching because I always learn something new from it. Designing the course and effective teaching approach are very 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)

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

- Primarly working on the gut microbiome and metabolome profiling for gastrectomy patients
- Contribute to data analysis on hereditary colorectal cancer project
- Contribute to the 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

REFERENCE

TAKUJI YAMADA
Associate Professor
School of Life Science and Technology
Tokyo Institute of Technology, Tokyo, JP
+813-5734-3629, takuji@bio.titech.ac.jp