

Johannes Nicolaus Wibisana

Contact details

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Summary

A systems biologist with a background with both wet and dry work. Familiar with microscopy imaging and multi-omics analysis using R and unix. I am an adaptable and flexible person that can quickly grasp new concepts to effectively complete given targets. Can work effectively, both autonomously and as part of a team.

Current research

NF- κ B transcriptional regulation in B-cell, Laboratory of Cell Systems, Osaka University (PI: Mariko Okada)

Analytical techniques performed:

- Confocal and widefield microscope imaging
- Automatic image processing
- RNA-FISH
- Single-cell RNA-seq and single-cell ATAC-seq analysis using R and Unix

Conference presentations

- **Johannes Nicolaus Wibisana**. NF- κ B mediated transcriptional regulation in B cell. Japan-Korea Bilateral Symposium between IPR and SNU on Advanced Analysis of Protein Function and Structure, January 31, 2020, College of Pharmacy, Seoul National University, Korea
- **Johannes Nicolaus Wibisana**. Multi-dimensional analysis of NF- κ B nuclear dynamics. 18th IPR Retreat, November 21-22, 2019, Icho Kaikan, Osaka University, Japan
- **Johannes Nicolaus Wibisana**, Takehiko Inaba, Yasushi Sako, Mariko Okada. Multi-dimensional analysis of NF- κ B nuclear dynamics. International Conference of Systems Biology, November 1-5, 2019, OIST, Japan

Education

- 2020-current Osaka University, Japan, Master of Science (M.Sc) in Biology.
 - Research: NF- κ B transcriptional regulation in B-cell, Laboratory of Cell Systems (PI: Mariko Okada)
- 2016-2020 Osaka University, Japan, Bachelor of Science (B.Sc) in Biology
 - Research: NF- κ B transcriptional regulation in B-cell, Laboratory of Cell Systems (PI: Mariko Okada)
 - Early graduation (3.5 years)

- 2012-2015 Binus School Serpong, Indonesia (High school)
 - CIE 'A' Levels: Biology A*, Mathematics A*, Chemistry A, Physics A

Past research experience

- September 2018 - February 2019 Short research project, Ishihara Laboratory, Graduate School of Science, Osaka University, Japan
 - Mammalian cell culture
 - Confocal imaging
 - Image based quantification of mitochondria using ImageJ
- 2017-2018 Biomod DNA Design Competition, Morishima Laboratory, Graduate School of Engineering, Osaka University, Japan
 - Experiments
 - Computer simulated DNA design
 - 3D modeling
- April 2018 - February 2019 Laboratory Assistant, Laboratory of Science and Innovation for Pain, Osaka University, Japan.
 - ELISA
 - Data processing
 - General sample preparation
- May 2016 - September 2016 Department of Biotechnology, Pelita Harapan University, Indonesia
 - Microbiology project: Antibiotic susceptibility evaluation of *Bacillus amyloliquefaciens* isolated from local pig gastrointestinal tract as potentially probiotic candidate

Awards, distinctions and fellowships

- Honjo International Foundation scholarship 2020-2022
- Biomod 2018 DNA design competition Bronze award
- Biomod 2017 DNA design competition Bronze award
- MEXT scholarship 2016-2020

Organizational activities

- 2018-2019 President of Indonesian Student Association in Osaka-Nara
- 2019-2020 Secretary General of Indonesian Student Association in Japan

Other skills

- Web development using Jekyll and Bootstrap
- Adobe design softwares: Photoshop, Illustrator, etc
- Cadnano (DNA origami design software)