

# Jaruwatana Sodai Lotharukpong

Doctoral Researcher · Bioinformatician

Max-Planck-Ring 5, 72076 Tübingen

✉ jlotharukpong[at]tuebingen[dot]mpg[dot]de  0000-0002-3475-0980  GitHub

## Education

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### Ph.D. in Bioinformatics

Max Planck Institute for Biology Tübingen

Tübingen, Germany

2021 - current

### MPhil. in Zoology

University of Cambridge

Cambridge, UK

2020 - 2021

### B.Sc. in Biological Sciences

Imperial College London

London, UK

2017-2020

## Publications

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### A transcriptomic hourglass in brown algae

Lotharukpong, J.S., Zheng, M., Luthringer, R. et al.

Nature

October 2024

### Uncovering gene-family founder events during major evolutionary transitions in animals, plants and fungi using GenEra

Barrera-Redondo, J., Lotharukpong, J.S., Drost, HG. et al.

Genome Biology

March 2023

### A highly contiguous genome assembly reveals sources of genomic novelty in the symbiotic fungus Rhizophagus irregularis

Manley, B.F., Lotharukpong, J.S., Barrera-Redondo, J. et al.

G3 Genes|Genomes|Genetics

March 2023

## Research Experience

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### Master's Thesis

Genome assembly, phylogenetics and comparative genomics in Cephalochordates (Dr. Christopher Laumer & Dr. Elia Benito-Gutiérrez - University of Cambridge)

Cambridge, UK

2020-2021

### Bachelor's Thesis

Biophysical model for spore germination (Prof. Robert Endres & Harry Cavanagh - Imperial College London)

London, UK

2020

### Intern Student

In vivo transdifferentiation in C. elegans (Dr. Mark Hintze & Dr. Michalis Barkoulas - Imperial College London)

London, UK

2019

## Skills

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### Languages

English, German (working), Japanese (working), Thai (working), Russian (basic), Teochew (basic)

### Programming Languages

R

### Biology

Molecular cloning, transgenics (C. elegans), microinjection (C. elegans), embryology (chick)

## Awards

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**PhD symposium best short talk**

*Tübingen, Germany*

*2022*

**Howarth Prize**

Academic excellence in the field of Plant Sciences

*London, UK*

*2020*

**2018 Biological Sciences 1st Year Prize**

*London, UK*

*2018*

**Dean's List (Year 1)**

*London, UK*

*2018*