

# Jaruwatana Sodai Lotharukpong

Doctoral Researcher · Bioinformatician

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## 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

## 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

## **Skills**

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### **Languages**

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

### **Programming Languages**

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### **Biology**

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