

Jaruwatana Sodai Lotharukpong

Doctoral Researcher · Bioinformatician

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Education

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

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

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

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

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)