

CONTACT

Email_ kaito@ucsd.edu

SOCIAL

Web_ www.kaito.co

Ln_ linkedin.com/in/kaitokikuchi/

Tweet_ @kickingkite

SKILLS

Fluorescence Microscopy / Cloning /

Python / ImageJ / Image Analysis

Machine Learning / R

RESEARCH INTERESTS

Systems Microbiology

Biological Stochasticity

Community Dynamics

Single-Cell Measurements

Phenotypic Heterogeneity

LANGUAGES

Japanese > mother tongue

English > fluent (TOEFL iBT 116/120)

PUBLICATIONS

2018

Larkin JW, Zhai X, Kikuchi K, Redford S, Prindle A, Liu J, Greenfield S, Walczak AM, Garcia-Ojalvo J, Mugler A, Süel GM "Signal Percolation within a Bacterial Community" Cell Systems (in press)

2016

Hill S, et al. [HPN-DREAM Consortium, including Kikuchi K] "Inferring causal molecular networks: empirical assessment through a community-based effort" Nature Methods

2014

Hase T, Kikuchi K, Ghosh S, Kitano H, Tanaka H "Identification of drug-target modules in the human protein-protein interaction network" Artificial Life and Robotics

EDUCATION

Sep 2016 > Current

PhD in Quantitative Biology @ University of California San Diego (San Diego)

Advisor: Dr. Gürol M. Süel

Apr 2014 > Mar 2016

Master of Arts in Biophysics @ University of Tokyo (Tokyo)

Advisor: Dr. Yuichi Wakamoto

Thesis: "Measuring Cytoplasm Fluidity and Perturbing Genotype at the Single-Cell Level"

Apr 2010 > Mar 2014

Bachelor of Arts in Biology @ International Christian University (Tokyo)

Advisor: Dr. Tatsuo Nunoshiba

Thesis: "Thermus thermophilus DNA Repair and Genomic Integrity: Analysis by a Homologous Recombination Detection System"

FELLOWSHIPS AND AWARDS

Sep 2016 > Aug 2019

Overseas Graduate Scholarship @ Japan Student Support Organization
Government scholarship for 20 PhD students studying overseas. Value: \$115,000

Apr 2016 > Aug 2016 (Declined)

Research Fellowship DCI @ Japan Society for the Promotion of Science
Government fellowship for top 20% of PhD students. Value: \$100,000

Mar 2016

Outstanding Graduate Student Award @ University of Tokyo GSAS
Departmental award for top third of graduating Master's students.

Jan 2015

AYRCOB Travel Grant @ Asian Young Researcher's Conference on Computational and Omics Biology (AYRCOB)

Apr 2014 > Aug 2016

IHS Leading Graduate Program Fellow @ University of Tokyo GSAS
Internal training grant with stipend worth \$28,000

Mar 2014

Takuya Tokihisa Biosciences Award @ International Christian University
Departmental award for top 4 graduating students.

Apr 2010 > Mar 2014

Peace Bell Scholar @ International Christian University Alumni Association
Scholarship towards 4 years of undergraduate tuition. Value: \$40,000, acceptance rate: 6-10%