

## CONTACT

Email\_ kaito@ucsd.edu

## SOCIAL

Web\_ www.kaito.co

IN\_ linkedin.com/in/kaitokikuchi/

Inst\_ @pioneerboy

## 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"

## AWARDS AND FELLOWSHIPS

# Sep 2016 > Aug 2019

Overseas Graduate Scholarship @ Japan Student Support Organization  
Tuition + stipend support from the Japanese government. Monetary value: \$115,000

# Apr 2016 > Aug 2016 (Declined)

Research Fellowship DCI @ Japan Society for the Promotion of Science  
Fellowship for top 20% PhD students in Japan. Monetary value: \$100,000

# Mar 2016

Outstanding Graduate Student Award @ University of Tokyo GSAS  
Award for outstanding Master's thesis and excellent academic standing

# Apr 2014 > Aug 2016

IHS Leading Graduate Program Fellow @ University of Tokyo GSAS  
Training Grant with interdisciplinary focus. Monetary value: \$28,000

# Mar 2014

Takuya Tokihisa Biosciences Award @ International Christian University  
Award for outstanding senior thesis research project.

# Apr 2010 > Mar 2014

Peace Bell Scholar @ International Christian University Alumni Association  
4-year merit-based scholarship. Monetary value: \$40,000