Taichi A. Suzuki, Ph.D.
Assistant Professor
College of Health Solutions & Biodesign Center for Health Through Microbiomes
Arizona State University

Biodesign Institute B230C, 727 E Tyler St, Tempe, AZ 85281
480-651-6224 | taichi.suzuki@asu.edu
Personal website: http://www.taichilab.org/ | Google scholar profile: https://bit.ly/2URpLZx

EDUCATION

2018 - 2022 **Postdoctoral Research Associate, Microbiome Sciences**
Max Planck Institute for Biology, Germany
Advisor: Ruth Ley

2013 - 2018 **Ph.D., Integrative Biology**
University of California Berkeley, CA, USA
Advisor: Michael Nachman
Thesis title: Ecology and evolution of the mammalian gut microbiota

2011 - 2013 **Ph.D. student, Ecology and Evolutionary Biology**
The University of Arizona, AZ, USA
Advisor: Michael Nachman

2009 - 2011 **M.S., Ecology and Evolutionary Biology**
The University of Arizona, AZ, USA
Advisor: Michael Nachman
Thesis title: Speciation and reduced hybrid female fertility in house mice

2005 - 2009 **B.S., Animal Science and Resources**
Nihon University, Kanagawa, Japan
Advisor: Masahiro Iwasa
Thesis title: A cross-experimental analysis of coat color variations and morphological characteristics of Japanese wild mouse, *Mus musculus*

ACADEMIC APPOINTMENTS

2023 - present **Assistant Professor.** Joint appointment between Biomedical Informatics and Nutrition Programs, College of Health Solutions & Biodesign Center for Health Through Microbiomes, Arizona State University, AZ, USA.

- **Graduate Faculty.** Microbiology Program, School of Life Sciences (2024 - present)
- **Graduate Faculty.** Biological Design Graduate Program, School for Engineering of Matter, Transport and Energy (2023 - present)

2018 - 2022 **Postdoctoral Research Associate.** Department of Microbiome Sciences, Max Planck Institute for Biology, Germany.

2015 – 2018	**Graduate Student Instructor.** Department of Integrative Biology, University of California Berkeley, CA, USA.
2015	**Jerry O. Wolff Fellow.** Museum of Vertebrate Zoology, University of California Berkeley, CA, USA.
2014	**Curatorial Assistant.** Museum of Vertebrate Zoology, University of California Berkeley, CA, USA.
2013 - 2014	**Graduate Student Instructor.** Department of Integrative Biology, University of California Berkeley, CA, USA.
2011 - 2013	**Teaching Assistant.** Department of Ecology and Evolutionary Biology, The University of Arizona, AZ, USA.

HONORS AND AWARDS

2025

University Nominee, Blavatnik Awards for Young Scientists for Life Sciences, Arizona State University

Three Sun Awards, Arizona State University (selected by Elizabeth Kizer and Madhav Sankar)

Trainee awards (as mentor)

- Sterling Wright (Postdoctoral researcher):
  - Finalist, PacBio SMRT Grant.
  - Six proposal submissions including NIH K99
- Aishwarya Patel (PhD candidate):
  - Finalist, School of Life Sciences 3MT® Competition
  - Career Development Travel Grant, Data Science for Life Scientists, EMBL-EBI ($950)
  - Career Development Travel Grant for fieldwork, School of Life Sciences, ASU ($700)
  - Student resilience Award, School of Life Sciences, ASU ($300)
  - Graduate College Graduate Research Support, ASU ($2000)
- Kaitlyn Socie (PhD student):
  - College nominee, Achievement Rewards for College Scientists Fellowships, School of Engineering of Matter, Transport, and Energy, ASU.
- Ayden Hall (undergraduate student):
  - School of Life Sciences Undergraduate Research (SOLUR) award, Arizona State University

2024

“40 under 40” Award, Museum of Vertebrate Zoology, University of California Berkeley

Student-Invited Speaker, Department of Ecology and Evolutionary Biology, University of Minnesota (selected by graduate students)

Sun Award, Arizona State University (selected by Elizabeth Kizer)

2023

University Nominee, Pew Biomedical Scholars, Arizona State University

2016 Outstanding Graduate Student Instructor Award, Teaching and Resource Center, University of California Berkeley

2015 Research highlighted as a chapter opener in a textbook, Microbiology: Principles and Explorations, Ninth Edition, Black and Black. Jon Wiley & Sons (p. 690)

University Nominee, International Student Research Fellowship, Howard Hughes Medical Institute, University of California Berkeley

RESEARCH SUPPORT

Ongoing Research Support (Total $2,359,714. Investigator recognized $2,005,964)

4. **Funding source:** NIH – NIGMS (MIRA R35)
   Dates: 9/1/2025 – 6/30/2030
   Total Costs: $1,809,714
   Role: PI (**T.A. Suzuki**)
   Title: Mammal-microbial coevolution: mechanisms and health implications
   Purpose: The Outstanding Investigator Award provides a flexible budget to study the mechanisms and health implications of host-microbial coevolution using wild rodent models in the Arizona Sky Islands.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

3. **Funding source:** Arizona Biomedical Research Center
   Dates: 5/1/2025 – 4/30/2028
   Total Costs: $225,000
   Role: PI (**T.A. Suzuki**), Co-I (C. Whisner and R. Krajmalnik-Brown)
   Title: Precision cardiovascular health: the role of human and microbial ancestry in Arizona
   Purpose: The study investigates how human and microbial ancestry interact to shape cardiovascular health in Arizona's diverse population
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

2. **Funding source:** Autism Research Institute
   Dates: 3/1/2025 – 2/28/2026
   Total Costs: $100,000
   Role: PI (**T.A. Suzuki**), Co-I (R. Krajmalnik-Brown and K. Nirmalkar)
   Title: Linking Human Ancestry and Microbiome to Predict Autism Treatment Outcomes
   Purpose: The study examines a clinical trial of Microbiome Transfer Therapy to explore how participant and microbial ancestry can predict outcomes.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

1. **Funding source:** Arizona Biomedical Research Center
   Dates: 1/1/2025 – 12/31/2027
   Total Costs: $225,000
   Role: PI (J. Roberts), Co-I (**T.A. Suzuki**)
   Title: The influence of bifidogenic dietary fibers on facture healing
   Purpose: The study aims to improve healing and functional outcomes for patients recovering from painful fractures through the development of a dietary prebiotic approach.
   Contributions: Design [-], Aims [-], Research Plan [X], Budget [X], Supporting Documents [X]

Pending Research Support ($3,308,178)

3. **Funding source:** Arizona Biomedical Research Center
   Dates: 1/1/2026 – 12/31/2028
   Total Costs: $225,000
   Role: Co-PI (J. Roberts), Co-Is (**T.A. Suzuki** and E. Florsheim)
   Title: Gut Microbiota as a Mediator of Heat Stress-Induced Biological Aging
   Purpose: The study tests the hypothesis that gut microbiota remodeling under chronic heat stress accelerates biological aging, and that probiotic supplementation can attenuate these effects using mouse models.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

2. **Funding source:** National Academy of Medicine
   Dates: 9/1/2025 – 8/31/2026
   Total Costs: $50,000
   Role: PI (**T.A. Suzuki**), Co-I (J. Roberts)
   Title: The impact of heat stress on microbiome and aging
   Purpose: The study aims to systematically investigate the relationship between heat stress, aging, and gut microbiota changes in a controlled experimental setting.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

1. **Funding source:** NIH – NIA (R61/R33)
   Dates: 7/1/2025 – 6/30/2030
   Total Costs: $3,033,178
   Role: Co-PI (**T.A. Suzuki**), Co-PI (J. Roberts), Co-I (H. Gu and M-H. Kim)
   Title: The impact of heat stress on microbiome and aging
   Purpose: The study aims to systematically investigate the relationship between heat stress, aging, and gut microbiota changes in a controlled experimental setting.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

Completed Research Support ($57,930)

13. **Funding source:** Museum of Vertebrate Zoology, University of California Berkeley (Louise Kellogg Fund)
    Year: 2017
    Total Costs: $1,500
    Role: PI (**T.A. Suzuki**)
    Title: Ecology and Evolution of the Mammalian Gut Microbiota
    Purpose: The funds support dissertation research.
    Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

12. **Funding source:** Graduate Division, University of California Berkeley **(**Graduate Division Summer Grant)
    Year: 2016
    Total Costs: $3,500
    Role: PI (**T.A. Suzuki**)
    Title: Ecology and Evolution of the Mammalian Gut Microbiota
    Purpose: The funds support dissertation research in the summer of 2016.
    Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

11. **Funding source:** Museum of Vertebrate Zoology, University of California Berkeley (Wilhelm L. F. Martens Fund)
Year: 2016
Total Costs: $1,500
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

10. **Funding source:** NSF - DEB (Doctorate Dissertation Improvement Grants)
Dates: 7/1/2015 – 7/1/2017
Total Costs: $20,330
Role: Co-PI (**T.A. Suzuki**), Co-PI (M.W. Nachman)
Title: DISSERTATION RESEARCH: Geographic variation of gut microbial community in natural populations of house mice across the Americas
Purpose: The study investigates the host genetic and environmental drivers of gut microbial communities in 26 natural populations of house mice across the Americas, using a combination of fieldwork and laboratory experiments.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

9. **Funding source:** Museum of Vertebrate Zoology, University of California Berkeley (Jerry O. Wolff Fellowship)
Year: 2015
Total Costs: $11,000
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research and living expenses.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

8. **Funding source:** Museum of Vertebrate Zoology, University of California Berkeley (Karl Koford Fund)
Year: 2015
Total Costs: $2,000
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

7. **Funding source:** Graduate Division, University of California Berkeley **(**Graduate Dean's Summer Research Grant)
Year: 2014
Total Costs: $4,000
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research in the summer of 2014.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

6. **Funding source:** Graduate Division, University of California Berkeley **(**Graduate Dean's Summer Research Grant)
Year: 2014
Total Costs: $4,000
Role: PI (**T.A. Suzuki**)

Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research in the summer of 2014.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

5. **Funding source:** Museum of Vertebrate Zoology, University of California Berkeley (Louise Kellogg Fund)
Year: 2014
Total Costs: $1,500
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

4. **Funding source:** Department of Integrative Biology, University of California Berkeley (Leeper Fund)
Year: 2014
Total Costs: $1,700
Role: PI (**T.A. Suzuki**)
Title: Ecology and Evolution of the Mammalian Gut Microbiota
Purpose: The funds support dissertation research.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

3. **Funding source:** National Geographic Society (Young Explorers grant)
Date: 12/20/2013 – 05/01/2014
Total Costs: $5,000
Role: PI (**T.A. Suzuki**)
Title: Geographic Variation of Gut Microbial Composition in Natural Populations of House Mice across North and South America
Purpose: The study examines latitudinal variation in the gut microbiome by sampling natural populations of house mice across North and South America.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

2. **Funding source:** Sigma Xi (Grant-in-Aid of Research)
Year: 2013
Total Costs: $900
Role: PI (**T.A. Suzuki**)
Title: Microbial variation and Bergmann's rule: clinal variation of gut microbes in house mice across North America.
Purpose: The study investigates the relationship between clinal variation in the gut microbiome and body size in wild house mice.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

1. **Funding source:** The University of Arizona (Galileo Circle Scholar)
Year: 2012
Total Costs: $1,000
Role: PI (**T.A. Suzuki**)
Title: Geographic variation of gut microbiota in wild house mice
Purpose: The study investigates the geographic variation of gut microbiome and how it contributes to environmental adaptation.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

Unfunded Grant Applications since joining ASU in 2023 ($5,676,283)

10. **Funding source:** NIH – NICHD (R01)
Dates: 12/1/2025 – 11/30/2030
Total Costs: $3,773,127
Role: Co-PI (**T.A. Suzuki**), Co-PI (L. Gaeddert), Co-I (R. Krajmalnik-Brown, E. Florsheim, C. Whisner, and H. Gu)
Title: Microbiota-Directed Complementary Foods to Enhance Gut Health and Mitigate Negative Effects of Chronic Malnutrition in Children
Purpose: The study integrates bioreactor and germ-free mouse models to systematically develop and test how microbiota-directed complementary foods influence gut microbiome development, systemic physiology, and organ growth in the context of chronic malnutrition.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

9. **Funding source:** American Federation for Aging Research
Dates: 7/1/2025 – 6/30/2027
Total Costs: $150,000
Role: PI (J. Roberts), Co-I (**T.A. Suzuki**)
Title: Heat Stress-Induced Microbiome Dysbiosis and Biological Aging
Purpose: The study aims to systematically investigate the relationship between heat stress, aging, and gut microbiota changes in a controlled experimental setting.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

8. **Funding source:** MedGenome and PacBio
Year: 2024
Total Costs: Free whole genome sequencing service
Role: PI (**T.A. Suzuki**)
Title: Peromyscus melanotis Genome: A Key to Understanding Host-Microbial Coevolution, Taxonomy, and Conservation
Purpose: The project will sequence the genome of black-eared mice (Peromyscus melanotis) from Arizona Sky Islands.
Contributions: Design [X], Aims [X], Research Plan [X], Budget [NA], Supporting Documents [X]

7. **Funding source:** PacBio (SMRT Grant)
Year: 2024
Total Costs: $75,000
Role: PI (S. Wright), Co-I (**T.A. Suzuki** and C. Whisner)
Title: Probing the Gut-Sleep Axis: A Comprehensive Study of Microbiome Development and Sleep Patterns in Infants
Purpose: The study examines the relationship between microbiome composition and sleep patterns in infants using data from C. Whisner's dataset.
Contributions: Design [-], Aims [-], Research Plan [X], Budget [-], Supporting Documents [X]

6. **Funding source:** The Peanut Institute
Dates: 8/1/2024 – 7/31/2025
Total Costs: $65,424
Role: PI (J. Roberts), Co-I (**T.A. Suzuki** and H. Gu)
Title: Osteoprotective and anti-inflammatory activity of peanuts during aging
Purpose: The study investigates the skeletal benefits derived from consumption of peanut-supplemented diets during aging
Contributions: Design [-], Aims [-], Research Plan [X], Budget [-], Supporting Documents [X]

5. **Funding source:** NSF – DEB (Evolutionary Process Program)
   Year: 2/1/2025 – 1/31/2029
   Total Costs: **$**989,051
   Role: Co-PI (**T.A. Suzuki**), Co-PI (N. Upham)
   Title: Host-microbial coevolution within and between species of deer mice
   Purpose: The project investigates the evolutionary processes that lead to stable host-microbial associations at both the microbial composition and strain levels in deer mice.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

4. **Funding source:** NIH – NIGMS (MIRA R35)
   Dates: 7/1/2024 – 6/30/2029
   Total Costs: $1,924,131
   Role: PI (**T.A. Suzuki**)
   Title: Evolutionary mismatch of host-microbial genomes in mammalian biology
   Purpose: The study investigates the mechanisms and health implications of host-microbial coevolution using wild rodent models in the Arizona Sky Islands and immigrant populations in Arizona.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

3. **Funding source:** NIH – Office of Director (DP5)
   Dates: 8/1/2024 – 7/31/2029
   Total Costs: $1,918,677
   Role: Co-PI (A. Fernandez and N. Franz), Collaborator (**T.A. Suzuki** and N. Upham)
   Title: A system to predict emerging infectious diseases (SPEID)
   Purpose: The project aims to assess and predict health risks by modeling the emergence of diseases associated with human and wildlife pathogens
   Contributions: Design [-], Aims [-], Research Plan [X], Budget [X], Supporting Documents [X]

2. **Funding source:** Pew Biomedical Scholars
   Dates: 8/1/2024 – 7/31/2028
   Total Costs: $324,000
   Role: PI (**T.A. Suzuki**)
   Title: Evolutionary mismatch of host-microbial genomes and chronic inflammation
   Purpose: The study investigates the impact of immigration on the gut microbiome and its implications for inflammation and cardiometabolic health.
   Contributions: Design [X], Aims [X], Research Plan [X], Budget [X], Supporting Documents [X]

1. **Funding source:** Arizona Biomedical Research Center
   Dates: 1/1/2024 – 12/31/2026
   Total Costs: $225,000
   Role: PI (J. Roberts), Co-I (**T.A. Suzuki**)
   Title: The effects of prebiotic-supplemented diets on fracture healing
   Purpose: The study aims to improve healing and functional outcomes for patients recovering from painful fractures through the development of a dietary prebiotic approach.
   Contributions: Design [-], Aims [-], Research Plan [X], Budget [X], Supporting Documents [X]

PUBLICATIONS

Annotation Key

[c] = TAS corresponding author
* = Co-first author
Shaded = Student or mentee under full or partial supervision of TAS

Peer-reviewed articles

2025

22. **T.A. Suzuki**, T. Akbuğa-Schön, J.L. Waters, D. Jakob, DL. Vu, M.A. Ballinger, S.C. Di Rienzi, H. Chang, I.E. de Araujo, A.V. Tyakht, R.E. Ley. Selection and transmission of the gut microbiome alone can shift mammalian behavior. *Nature Communications* 16 9482. https://doi.org/10.1038/s41467-025-65368-w

Recognitions: Altmetric score 73 (98th percentile of same age, 6 news stories), Behind the paper: R. Ley 2025. Passing traits without genes: how the gut microbiome transfers behavior. *Research Communities* https://shorturl.at/WKAy8

2024

21. B.L. Dumont, D. Gatti, M.A. Ballinger, D. Lin, M. Phifer-Rixey, M.J. Sheehan, **T.A. Suzuki**, L.K. Wooldridge, H.O. Frempong, G. Churchill, C. Lutz, N. Rosenthal, J.K. White, M.W. Nachman. 2024. Into the Wild: A novel wild-derived inbred strain resource expands the genomic and phenotypic diversity of laboratory mouse models. *PLOS Genetics* 20(4): e1011228

20. T. Akbuga-Schoen, **T.A. Suzuki**, D.L. Vu, D. Jakob, J.L. Waters, R.E. Ley. 2024. The keystone gut species Christensenella minuta boosts gut microbial biomass and voluntary physical activity in mice. *mBio* e0283623.

2022

19. **T.A. Suzuki***, J.L. Fitzstevens*, V.T. Schmidt, H. Enav, K. Huus, M. Mbong, A. Grießhammer, A. Pfleiderer, B.R. Adegbite, J.F. Zinsou, M. Esen, T.P. Velavan, A.A. Adegnika, L.H. Song, T.D. Spector, A.L. Muehlbauer, N. Marchi, H. Kang, L. Maier, R. Blekhman, L. Ségurel, G. Ko, N.D. Youngblut, P. Kremsner, R. E. Ley. 2022. Codiversification of gut microbiota with humans. *Science* 377:1328-1332. doi: 10.1126/science.abm7759 *co-first

Recognitions: Altmetric score 589 (99th percentile of all research, 97th percentile of all *Science* outputs, 67 news stories), Perspective featuring the paper: A.H. Moeller. 2022. Loyal gut microbes. *Science* 377: 1263-1267. doi: 10.1126/science.ade2879

18. **T.A. Suzuki** and R. A. Ley. "Microbes set the (woodrat) menu: host genetics control diet-specific gut microbes" 2022. *Proceedings of the National Academy of Sciences* o*f the U.S.A*. 119(2): e2120125118.

Recognitions: Invited Commentary.

2021

17. E.J. Beckman, F. Martins**, T.A. Suzuki**, K. Bi, S. Keeble, J. Good, A. Chavez, M. Ballinger, K. Agwamba, M.W. Nachman. 2021. The genomic basis of high-elevation adaptation in wild house mice (*Mus musculus domesticus*) from South America. *Genetics* iyab226.

16. K.G. Ferris, A.S. Chavez, **T.A. Suzuki**, E.J. Beckman, M. Phifer-Rixey, K. Bi, M.W. Nachman. 2021. The genomics of rapid climatic adaptation and parallelevolution in North American house mice. *PLOS Genetics* 17: e1009495.

2020

15. **T.A. Suzuki** and R.E. Ley. 2020. The role of the microbiota in human genetic adaptation. *Science* 370(6521): eaaz6827.
Recognitions: Altmetric score 365 (99th percentile of all research, 96th percentile of all *Science* outputs, 36 news stories).

1. **T.A. Suzuki**[c], F.M. Martins, M. Phifer-Rixey, and M.W. Nachman. 2020. The gut microbiota and Bergmann's rule in wild house mice. *Molecular Ecol*ogy 29:2300-2311.
Recognitions: Dimensions FCR = 5.3 (90th percentile in field and year).

2019

13. **T.A. Suzuki**[c], M. Phifer-Rixey, K.L. Mack, M.J. Sheehan, D. Lin, K. Bi, and M.W. Nachman. 2019. Host genetic determinants of the gut microbiota of wild mice. *Molecular Ecology* 13: 3197-3207.
Recognitions: F1000 recommended. Dimensions FCR = 11 (99th percentile in field and year).

2018

12. **T.A. Suzuki**[c], F.M. Martins, and M.W. Nachman. 2018. Altitudinal variation of the gut microbiota in wild house mice. *Molecular Ecology* 28: 2378-2390.
Recognitions: Dimensions FCR = 12.7 (99th percentile in field and year). Featured in News and Views: Mazel F. 2019. Living the high life: Could gut microbiota matter for adaptation to high altitude? *Molecular Ecology* 28: 2119-2121.

11. A.H. Moeller, **T.A. Suzuki**, M. Phifer-Rixey, and M.W. Nachman. 2018. Transmission mode is associated with virulence in the mammalian gut microbiota. *Science* 362(6413): 453-457.
Recognitions: F1000 recommended. Altmetric score 136 (98th percentile of all research, 89th percentile of all *Science* outputs)

10. M. Phifer-Rixey, K. Bi, K.G. Ferris, M.J. Sheehan, D. Lin, K. Mack, S.M. Keeble, **T.A. Suzuki**, J.M. Good, and M.W. Nachman. 2018. The genomic basis of environmental adaptation in house mice. *PLOS genetics* 14(9): e1007672
Recognitions: Altmetric score 108 (98th percentile of all research, 97th percentile of all *PLOS Genetics* outputs).

9. M.A. Iwasa, Kawamura S., Myoshu H., and **T.A. Suzuki**. 2018. Molecular analyses of the agouti allele in the Japanese house mouse identify a novel variant of agouti gene. *Genome* 61(3): 195-200.

2017

8. A.H. Moeller, **T.A. Suzuki**, D. Lin, E.A. Lacey, S.K. Wasser, and M.W. Nachman. 2017. Dispersal limitation drives the diversification of the mammalian gut microbiota. *Proceedings of the National Academy of Sciences of the U.S.A.* 114 (52), 13768 - 13773.
Recognitions: Altmetric score 29 (97th percentile of all research, 81st percentile of all *PNAS* outputs).

7. **T.A. Suzuki**[c] 2017. Links between natural variation in the microbiome and host fitness in wild mammals. *Integrative and Comparative Biology*. 57(4): 756-69.
Recognitions: Dimensions FCR = 16.2 (99th percentile in field and year)

2016

6. **T.A. Suzuki**[c] and M.W. Nachman. 2016. Spatial heterogeneity of gut microbial composition along the gastrointestinal tract in natural populations of house mice. *PLOS One* 11(9): e0163720.
   Recognitions: Dimensions FCR = 8.7 (96th percentile in field and year)

5. Weyand, N.J., M. Ma, M. Phifer-Rixey, N.A. Taku, M.A. Rendón, A.M. Hockenberry, W.J. Kim, A.B. Agellon, N. Biais, **T.A. Suzuki**, L.G. Sait, O.B. Harrison, H.B. Bratcher, M.W. Nachman, M.C. J. Maiden, and M. So. 2016. Isolation and characterization of a new species of Neisseria, *Neisseria musculi*, from the wild house mouse. *International Journal of Systematic and Evolutionary Microbiology*. 66: 3585-3593.
   Recognitions: Dimensions FCR = 2.9 (90th percentile in field and year)

2015

4. **T.A. Suzuki**[c] and M.W. Nachman. 2015. Speciation and hybrid female fertility in house mice. *Evolution* 69(9): 2468-81.
   Recognitions: Dimensions FCR = 1.9 (82nd percentile in field and year)

3. I. Kandori, K. Tsuchihara, **T.A. Suzuki**, T. Yokoi, D.R. Papaj. 2015. Long Frontal Projections Help Battus philenor (Lepidoptera: Papilionidae) Larvae Find Host Plants. *PLOS One* 10(7): e0131596.

2014

2. **T.A. Suzuki**[c] and M. Worobey. 2014. Geographical variation of gut microbial composition in humans. *Biology Letters*. 10(2): 20131037.
   Recognitions: Altmetric score 137 (98th percentile of all research, 90th percentile of all *Biology Letters* outputs, 13 news stories)

2013

1. **T.A. Suzuki** and M. A. Iwasa. 2013. A cross-experimental analysis of coat color and morphological characteristics of the Japanese wild mouse, Mus musculus. *Experimental Animals* 62(1): 25-34.
   Recognitions: Journal cover photo

Manuscripts submitted and under review/revision

2025

1. X. Liu, L. Fitzstevens, V.T. Schmidt, **T.A. Suzuki**, A. Arzamasov, D. Rodionov, A. Pfleiderer, B.R. Adegbite, J.F. Zinsou, M. Esen, T.P. Velavan, A.A. Adegnika, L.H. Song, N.D. Youngblut, A. Osterman, A. Tyakht, R.E. Ley, Codiversification of salivary microbiota with humans.

Non-peer-reviewed publications

2025

8. **T.A. Suzuki**, T. Akbuğa-Schön, J.L. Waters, D. Jakob, DL. Vu, M.A. Ballinger, S.C. Di Rienzi, H. Chang, I.E. de Araujo, A.V. Tyakht, R.E. Ley. Selection and transmission of the gut microbiome alone can shift mammalian behavior. *bioRxiv* doi: https://doi.org/10.1101/2025.01.21.634013

2024

7. **T.A. Suzuki** 2024.アリゾナで挑む新たな研究者人生：困難と魅力 *Experimental Medicine 9 Aug.* DOI: 10.18958/7555-00006-0001707-00 (Japanese) https://www.yodosha.co.jp/jikkenigaku/articles/index.html?ci=170700

6. **T.A. Suzuki** 2024. 腸内細菌と進化生態学：研究室立ち上げの道のり *Society of Evolutionary Studies, Japan News. 25(2) p 4-8* (Japanese). *https://shorturl.at/sGAui*

2023

5. **T.A. Suzuki** 2023. 疾病予防や治療につながる共多様化した菌種の探索. *Healthist* 47(6): p 6-9. ISNN 0389-6781 (Japanese): https://healthist.net/issue/282/

4. **T.A. Suzuki** 2023. ヒトと共に進化した腸内微生物. *Experimental Medicine* 41(4): 573-576. DOI: 10.18958/7195-00003-0000432-00 (Japanese) https://www.yodosha.co.jp/jikkenigaku/articles/index.html?ci=43200

3. **T.A. Suzuki** 2023. ヒトと腸内微生物の共多様化. Japanese Scientists in Science 2022. 2023: p37 (Japanese) https://note.asca-co.com/n/n8c088de2cd20

2022

2. **T.A. Suzuki** and R.E. Ley. 2022. Humans evolved with their microbiomes – like genes, your microbes pass from one generation to the next. The Conversation. https://shorturl.at/eunAT

2019

1. A. Moeller, **T.A. Suzuki**, M. Phifer-Rixey, M.N. Nachman 2019. 哺乳類の腸内微生物叢の伝搬経路 Japanese Scientists in Science 2018. 2019: p63 (Japanese) https://www.asca-co.com/company/pdf_japanese_scientists/Science_2018.pdf

PRESENTATIONS

Annotation Key
Shaded = Student or mentee under full or partial supervision of TAS

Invited oral presentations

2025

42. **T.A. Suzuki.** Mammal-microbial coevolution: mechanisms and implications. National Institute of Genetics, Biology Symposium Seminar, Mishima, Shizuoka, Japan (Invited by Masato Yamamichi)

41. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Biomedical Informatics Symposium (BMI570), College of Health Solutions, Arizona State University, Tempe, Arizona (Invited by Anita Murcko)

40. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Advanced Topics in Biomedical Informatics (BMI461), College of Health Solutions, Arizona State University, Tempe, Arizona (Guest lecturer, invited by Matthew Scotch)

39. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Riken, Center for Interdisciplinary Theoretical and Mathematical Sciences, iTHEMS Biology Seminar, Saitama, Japan (Invited by Ryosuke Iritani)

38. **T.A. Suzuki.** Microbes matter in adaptation: phenotypic effects of microbiota in wild house mice. Symposium "Microbes matter: Phenotypic effects of microbiota on wild animal hosts", Society for Integrated and Comparative Biology, Atlanta, Georgia (**Symposium Speaker**, Invited by Brian Trevelline and Kaitlyn Murphy)

37. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Department of Ecology and Evolutionary Biology Seminar Series, University of Arizona, Tucson, Arizona (Invited by Judi Bronstein)

36. **T.A. Suzuki.** Impact of the gut microbiome in overall health. Health Talk, College of Health Solutions, Arizona State University, online (**Moderator and Speaker**, invited by the Health Talk Committee)

35. **T.A. Suzuki** and A. Patel. Ecology and evolution host-microbial interactions. From Omics to Knowledge Discovery, Arizona State University Biodesign FUSION Retreat, Tempe, Arizona (Invited by Li Liu)

34. K. Socie and **T.A. Suzuki**. Genetic effects on the gut microbiome. Science on Tap, Tempe, Arizona (Invited by Marion Le Gall)

33. A. Patel and **T.A. Suzuki**. The role of microbial ancestry in health and disease. Science on Tap, Tempe, Arizona (Invited by Marion Le Gall)

2024

32. **T.A. Suzuki.** The microbiome's role in animal ecology, evolution, and behavior. Student invited seminar, Department of Ecology and Evolutionary Biology, University of Minnesota, Minneapolis, Minnesota. (**Student invited speaker**, invited by Zheng Oong and graduate students)

31. **T.A. Suzuki.** Selection on the gut microbiome drives activity behaviors in mice. Symposium "How to train your microbiome (Plenary)", American Society of Microbiology (ASM) Microbe, Atlanta, Georgia (**Symposium speaker**, Invited by David Baltrus and ASM)

30. **T.A. Suzuki.** Selection on the gut microbiome drives activity behaviors in mice. VuMedi Inc, online (Invited by Tina Ayodele)

29. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. CURE (Course-Based Undergraduate Research Experience), Drexel University, Philadelphia, Pennsylvania (Guest lecturer, invited by Megan Phifer-Rixey)

28. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Advanced Topics in Biomedical Informatics (BMI461), College of Health Solutions, Arizona State University, Tempe, Arizona (Guest lecturer, invited by Matthew Scotch)

27. **T.A. Suzuki.** Ecology and evolution of mammal-microbial interactions. Comparative Genomics (BMI465), College of Health Solutions, Arizona State University, Phoenix, Arizona (Guest lecturer, invited by My Phan)

2023

26. **T.A. Suzuki.** The evolution of the human gut microbiota. Symposium at the 21st Awaji International Forum on Infection and Immunity, Karuizawa, Japan (**Symposium Speaker**, invited by Cevayir Coban and Ken Ishii)

25. **T.A. Suzuki.** Evolutionary mismatch of host-microbial genomes in mammalian biology. Biodesign Chalk Talk, Arizona State University, Tempe, Arizona. (Invited by Marco Mangone)

24. **T.A. Suzuki.** Ecology and Evolution of host-microbial interactions. 7 mins of Science, Biodesign Town Hall meeting, Arizona State University, Tempe, Arizona. (Invited by Josh LaBear)

23. **T.A. Suzuki.** Ecology and Evolution of host-microbial interactions. Advanced Topics in Biomedical Informatics (BMI461), Arizona State University (Guest lecturer, invited by Matthew Scotch)

22. **T.A. Suzuki.** Evolution of the human microbiome. Translational Research Club seminar, Arizona State University, Phoenix, Arizona (Invited by Kaylie Miller)

21. **T.A. Suzuki.** Ecology and evolution of host-microbial interactions in human and wild mice. Biodesign seminar, Arizona State University, Tempe, Arizona (Invited by Rosa Krajmalnik-Brown)

2022

20. **T.A. Suzuki.** Codiversification of gut microbiota with humans. Keystone symposia. The Human Microbiome: Ecology and Evolution. Banff, Alberta, Canada (**Symposium Speaker**, invited by Ruth Ley, Alejandro Reyes, and Jessica Metcalf)

19. **T.A. Suzuki.** Codiversification of gut microbiota with humans. Symposium at Center for Genome Sciences, National Autonomous University of Mexico, Morelos, Mexico, online (Invited by Christian Sohlenkamp) https://youtu.be/E8vqCvxbn5U

18. **T.A. Suzuki.** Ecology and evolution of host-microbial interactions in complex systems. Job talk, College of Health Solutions and Biodesign Center for Health Through Microbiomes. Arizona State University. (Invited by the search committee)

17. **T.A. Suzuki.** Ecology and evolution of host-microbial interactions in complex systems. Job talk, Department of Biology, Boston University. Online talk. (Invited by the search committee)

2021

16. **T.A. Suzuki.** Codiversification of gut microbiota with humans. Institute for Systems Biology Symposium, Seattle. Online talk (**Symposium Speaker**, invited by Sean Gibbons and committees of Institute for Systems Biology) https://youtu.be/u12G6tSLpjY

15. **T.A. Suzuki.** Ecology and evolution of host-microbial interactions in humans and wild mice. Distinguished Seminar Speaker Series, Max Planck Institute for Developmental Biology and Friedrich Miescher Laboratory, Germany (Invited by committees of the seminar).

14. **T.A. Suzuki.** Ecology and evolution of host-microbial interactions in humans and wild mice. Milner Centre for Evolution seminar, University of Bath, United Kingdom. Online talk (Invited by Hans-Wihelm Nuetzmann and Leslie Turner)

13. **T.A. Suzuki.** The ecology and evolution of host-microbial interactions in mammals. Center for Ecological Research Seminar, Kyoto University, Japan. Online talk (Invited by Atsushi Yamauchi)

12. **T.A. Suzuki.** The role of microbiome in host evolution: codiversified microbes in humans and artificial selection on the mouse microbiome. Microbiome seminar, The University of Oxford, United Kingdom. Online talk. (Invited by Sarah Knowles)

2020

11. **T.A. Suzuki** Codiversification of gut microbiota with humans. The 43rd Annual Meeting of the Molecular Biology Society of Japan. In the symposium "Evolution of gut microbiota in animals: Host-microbe interactions and mechanisms". Online talk. (**Symposium Speaker**, Invited by Takane Katayama and Takashi Hayakawa)

2019

10. **T.A. Suzuki** Ecology and Evolution of wild mouse gut microbiota. Diko talk, Max Planck Institute of Developmental Biology, Tuebingen, Germany. (Invited by Ruth Ley)

2017

9. **T.A. Suzuki** Interplay between host genetics and the gut microbiome in wild mice. Center of Population Biology Seminar, University of California Davis. Davis, California (Invited by Kathleen Ferris)

8. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, Michael J. Sheehan, Ting-Ting Lin, and M.W. Nachman. Associating host genomic variation with gut microbial variation in wild house mice. Symposium: Genomic approaches to consequential questions in mammalogy, American Society of Mammalogists. Moscow, Idaho (**Symposium Speaker**, Invited by Caleb Phillips and John Hanson)

7. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, F.M. Martins, and M.W. Nachman. Gut microbiome and Bergmann's rule in natural populations of house mice. Symposium: With a little help from my friends: microbial partners in integrative and comparative biology, Society for Integrative and Comparative Biology. New Orleans, Louisiana (**Symposium Speaker**, Kevin Kohl and Denise Dearing)

2016

6. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, M.W. Nachman. Ecology and evolution of gut microbial communities in natural populations of house mice. Animal Ecology Guest Seminar, Kyoto University, Japan. (Invited by Masaki Hoso)

5. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, M.W. Nachman. Associating host genomic variation with gut microbial diversity in wild house mice. Symposium: the evolution of species

interactions. Society for the Study of Evolution, ASN spotlight, Austin, Texas (**Symposium Speaker**, invited by Jesse Lasky)

2015

4. **T.A. Suzuki** Gut microbial ecology in wild house mice. UCB-NTU Junior Scientist Symposium on Microbial Ecology, Genomics and Metagenomics. National Taiwan University, Taiwan. (**Symposium Speaker**, invited by Alex Yu)

3. **T.A. Suzuki** Ecology and evolution of gut microbial communities in natural populations of house mice. Nihon University, Japan. (Invited by Masahiro Iwasa)

2. **T.A. Suzuki** Ecology and evolution of gut microbial communities in natural populations of house mice. SY special seminar, Tokyo University, Japan. (Invited by Takehito Yoshida)

1. **T.A. Suzuki**, F.M. Martins, M. Phifer-Rixey, Y. Zhang, W. Taylor, M.W. Nachman. Clinal variation of gut microbial composition in natural populations of house mice across the Americas. 5th Annual Yosemite Symbiosis Workshop, Wawona, California (**Symposium Speaker**, invited by Joel Sachs)

Oral presentations

2025

17. G. Schiro, A. Patel, B. Pasch, N. Upham, **T.A. Suzuki**. Linking host-gut microbiome biogeography, community assembly and host bacteria co-evolution in the Madrean Sky Islands. Evo Symposium, School of Life Sciences, Arizona State University, Tempe, Arizona.

16. **T.A. Suzuki.** Evolutionary thinking in microbiome science. Biodesign Center for Health Through Microbiomes workshop, Arizona State University.

15. **T.A. Suzuki.** Host-microbial coevolution: NSF proposal. Biodesign Center for Health Through Microbiomes Chalk talk, Arizona State University.

2024

14. K. Socie, B. Dumont, M.W. Nachman, R. Krajmalnik-Brown, **T.A. Suzuki**. Host genetic effects on the mammalian gut microbiome. 3rd Joint Congress on Evolutionary Biology, Montreal, Canada. (selected talk) https://tinyurl.com/2s3ccsvz

2023

13. **T.A. Suzuki**, T. Schön, J. Waters, M. Ballinger, R.E. Ley. Artificial selection experiment on the mammalian microbiome. Society for the Study of Evolution. Albuquerque, New Mexico. (selected talk)

12. **T.A. Suzuki** Ecology and evolution of host-microbial interactions in humans and wild mice. 62nd Arizona Southern Nevada American Society for Microbiology Branch Meeting, University of Arizona, Tucson, Arizona. (selected talk)

2022

11. **T.A. Suzuki**, L. Fitzstevens, V.T. Schmidt, H. Enav, K. Huus, M. Mbong, B.R. Adegbite, J.F. Zinsou, M. Esen, T.P. Velavan, A.A. Adegnika, L.H. Song, T.D. Spector, A.L. Muehlbauer, N. Marchi, R. Blekhman, L. Ségurel, N.D. Youngblut, P. Kremsner, R. E. Ley. 2021. Codiversification of gut microbiota with humans. Keystone Symposia, The Human Microbiome: Ecology and Evolution. Banff, Canada (selected short talk)

2021

10. **T.A. Suzuki**, Liam Fitzstevens, Hagay Enav, Victor T. Schmidt, Nicholas D. Youngblut, Mirabeau Mbong, Ruth E. Ley. Codiversification of gut microbiota with humans. Society for the Study of Evolution, virtual meeting (talk)

9. **T.A. Suzuki**, Liam Fitzstevens, Hagay Enav, Victor T. Schmidt, Nicholas D. Youngblut, Mirabeau Mbong, Ruth E. Ley. 2021. Codiversification of gut microbes and their human hosts. The Biology of Genomes, virtual meeting (talk)

2019

8. **T.A. Suzuki**, M. Phifer-Rixey, K.L. Mack, M.J. Sheehan, D. Lin, K. Bi, and M.W. Nachman. 2019. Host genetic determinants of the gut microbiota of wild mice. 21st Annual Meeting of the Society of Evolutionary Studies, Japan. (**Symposium Speaker and Organizer**)

2017

7. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, Michael J. Sheehan, Ting-Ting Lin, and M.W. Nachman. 2017. Associating host genomic variation with gut microbial variation in wild house mice. Society for the Study of Evolution. Portland, Oregon. (selected talk)

2015

6. Kawamura, S., **T.A. Suzuki**, M.A. Iwasa. 2015. Reevaluation of the agouti allele in Japanese wild mice. International Wildlife Management Congress, Sapporo, Japan. (talk).

2014

5. **T.A. Suzuki** and M.W. Nachman, 2014. Spatial variation of gut microbial communities in the gastrointestinal tract of natural populations of house mice. Society for the Study of Evolution, Raleigh, North Carolina. (selected talk)

2013

4. **T.A. Suzuki** and M.W. Nachman, 2013. Microbial variation and Bergmann's rule: clinal variation of gut microbes in house mice across North America. Society for the Study of Evolution, Snowbird, Utah. (selected talk)

2012

3. **T.A. Suzuki.** 2012. Geographic variation of human gut microbial composition. Grad Blitz at University of Arizona, Tucson, AZ (selected speed talk)

2. **T.A. Suzuki**, M.W. Nachman, and M. Worobey, 2012. Geographic variation of human gut microbiome composition. Society for the Study of Evolution, Ottawa, Canada. (selected talk)

2011

1. **T.A. Suzuki** and M.W. Nachman, 2011. Speciation and hybrid female subfertility in house mice. Society for the Study of Evolution, Norman, Oklahoma. (selected talk)

Poster Presentations

2025

17. G. Schiro, A.Patel, D. Rowsey, N. Upham, and **T.A. Suzuki**. 2025. Tracing host-gut microbiome biogeography in the Madrean Sky Islands. Biodesign Fusion, Tempe, Arizona. (poster)

16. A. Patel and **T.A. Suzuki**. 2025. The role of host-microbial codiversification in health and disease. Biodesign Fusion, Tempe, Arizona. (poster)

15. E. Taminang, K. Nirmalkar. Krajmalnik-Brown, **T.A. Suzuki**. 2025. The etiological and therapeutic implications of human – gut microbiome codiversification in autistic adults. Biodesign Fusion, Tempe, Arizona. (poster)

14. **T.A. Suzuki.** Investigating host genetic effects on microbiome assembly: a novel approach. 2025. CHS Research Day, College of Health Solutions, Arizona State University, Phoenix, AZ. (poster)

2024

13. K. Socie, B. Dumont, M.W. Nachman, R. Krajmalnik-Brown, **T.A. Suzuki**. 2024. Investigating host genetic effects on microbiome assembly: a novel approach. American Society for Microbiology, Atlanta, Georgia. (selected poster)

12. **T.A. Suzuki.** Host genetic effects on the gut microbiome. 2024. CHS Research Day, College of Health Solutions, Arizona State University, Phoenix, Arizona. (poster)

2023

11. **T.A. Suzuki.** Suzuki lab: Ecology and evolution of host-microbial interactions. 2023. CHS Research Day, College of Health Solutions, Arizona State University, Phoenix, AZ. (poster)

2022

10. **T.A. Suzuki**, L. Fitzstevens, V.T. Schmidt, H. Enav, K. Huus, M. Mbong, B.R. Adegbite, J.F. Zinsou, M. Esen, T.P. Velavan, A.A. Adegnika, L.H. Song, T.D. Spector, A.L. Muehlbauer, N. Marchi, R. Blekhman, L. Ségurel, N.D. Youngblut, P. Kremsner, R. E. Ley. 2021. Codiversification of gut microbiota with humans. Keystone Symposia, The Human Microbiome: Ecology and Evolution. Banff, Canada. (selected poster)

2016

9. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, F.M. Martins, and M.W. Nachman. 2016. Gut microbiome and Bergmann's rule in natural populations of house mice. Bay Area Population Genomics Conference, San Francisco, California. (poster)

8. **T.A. Suzuki**, M. Phifer-Rixey, K.G. Ferris, A. Chavez, F.M. Martins, and M.W. Nachman. 2016. Gut microbiome and Bergmann's rule in natural populations of house mice. 6th ASM conference on Beneficial Microbes, Seattle, Washington. (selected poster)

7. **T.A. Suzuki**, M. Phifer-Rixey, F.M. Martins, and M.W. Nachman. 2016. Gut microbiome and Bergmann's rule in natural populations of house mice. Society for the Study of Evolution, Austin, Texas. (poster)

2015

6. **T.A. Suzuki**, F.M. Martins, M. Phifer-Rixey, M.W. Nachman. 2015. Microbial variation and Bergmann's rule: clinal variation of gut microbial communities in wild house mice across the Americas. Animal-Microbe Symbioses, Gordon Research Conference, Waterville Valley, New Hampshire. (selected poster).

5. Ferris, K.G., A.S. Chavez, M. Phifer-Rixey, **T.A. Suzuki**, M.W. Nachman. 2015. The genetics of environmental adaptation in house mice across Western North America. Society for Molecular Biology and Evolution, Vienna, Austria. (selected poster).

2014

4. **T.A. Suzuki** and M.W. Nachman, 2014. Microbial variation and Bergmann's rule: clinal variation of gut microbes in house mice across North America. Bay Area Population Genetics X, Stanford, California. (poster)

2013

3. **T.A. Suzuki** and M.W. Nachman, 2013. Microbial variation and Bergmann's rule: clinal variation of gut microbes in house mice across North America. Gordon Research Conferences, Microbial Population Biology, Andover, New Hampshire. (selected poster)

2010

2. **T.A. Suzuki** and M.W. Nachman, 2010. Speciation and hybrid female fertility in house mice. Society for the Study of Evolution, Portland, Oregon. (poster)

2008

1. **T.A. Suzuki** and M.A. Iwasa, 2008. Coat color variations of wild mouse in an urban area. The Mammalogical Society of Japan, Yamaguchi, Japan. (poster)

TEACHING AND MENTORING

Teaching:

- **Arizona State University -** *Instructor of Record*

Courses	Semester	Enrollment	Student Evaluation*
HCD300: Biostatistics	Fall 2025	40	In progress
HCD300: Biostatistics	Spring 2025	36	4.65
HCD300: Biostatistics	Fall 2024	37	4.95
HCD300: Biostatistics	Spring 2024	37	4.62
HCD300: Biostatistics	Fall 2023	35	4.82

*Overall effectiveness of instructor (1-5 where 5 is best)

Invited lectures: Comparative Genomics (BMI465, Fall 2024), Advanced Topics in Biomedical Informatics (BMI461, Fall 2023, Fall 2024, Fall 2025), Biomedical Informatics Symposium (BMI570, Fall 2025).
Recognitions: Co-lead of HCD300 Biostatistics (Fall 2024 – present).

- **University of California Berkeley-** *Graduate Student Instructor*

Courses	Semester	Lecture Topic
BIO 1B: General Biology	Spring 2018	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Fall 2017	Ecology, Evolution, Biodiversity
IB 104: Natural History of Vertebrates	Spring 2017	Mammalogy, Herpetology, Ornithology
BIO 1B: General Biology	Fall 2016	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Spring 2016	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Fall 2015	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Fall 2014	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Spring 2014	Ecology, Evolution, Biodiversity
BIO 1B: General Biology	Fall 2013	Ecology, Evolution, Biodiversity

Invited lecture: Mammalogy (IB173), The role of microbiome in Mammalogy (Fall 2014).
Recognitions: Outstanding Graduate Student Instructor Award (Spring 2016).

- **University of Arizona –** *Teaching Assistant*

Courses	Semester	Lecture Topic
ECOL426/585: Population Genetics	Spring 2013	Population genetics and genomics
ECOL485/585: Mammalogy	Fall 2012	Mammalian biology
ECOL223: Human Genetics	Spring 2012	Human genetics and genomics
ECOL485/585: Mammalogy	Fall 2011	Mammalian biology
ECOL223: Human Genetics	Spring 2011	Human genetics and genomics

Invited lectures: Wildlife Disease Club (2012 and 2013)

Mentoring:

Primary Mentor (Chair)

Arizona State University

Postdoctoral Researchers

- Dr. Danielle Blumstein (NIH R35 MIRA) (Fall 2025 – present)

- Dr. Elizabeth Howard (co-advised by J. Roberts, Arizona State University, NIH T32) (Fall 2025 – present)
- Dr. Sterling Wright (co-advised by Corrie Whisner, Arizona State University) (Fall 2024 - present)
- Dr. Gabriele Schiro (co-advised by Lauren Petrullo, University of Arizona) (Fall 2024 -present)

Doctoral Students (PhD)
- Aishwarya Patel, PhD student in Microbiology program, School of Life Sciences, Arizona State University (Spring 2024 - present)
- Kaitlyn Socie, PhD student in Biological Design Graduate program, Ira A Fulton Engineering, Arizona State University (co-advised by Rosa Krajmalnik-Brown) (Fall 2023 - present)

Master Students (MS)
- Ayden Hall, 4+1 student, Molecular Biosciences and Biotechnology program, School of Life Sciences, Arizona State University (co-advised by Corrie Whisner and Rosa Krajmalnik-Brown) (Spring 2025-present)
- Emerson Taminang Fongeyam, MS student in Biomedical Informatics program, College of Health Solutions, Arizona State University (Fall 2024 - present)
- Manish Muchapothula, MS student in Biomedical Informatics program, College of Health Solutions, Arizona State University (Fall 2024 – Spring 2025)

Undergraduate students (BS)
- Alon Galili, undergraduate researcher (Fall 2025 – present)
- Jazzmyn Stacy, undergraduate researcher (Fall 2025 – present)
- Ella Bechtol, undergraduate researcher (Fall 2025 – present)
- Thomas Archer-Black, undergraduate researcher (Fall 2025 – present)
- Odalis Lopez Villegas, undergraduate researcher (Spring 2025 – present)
- Lina Ali, undergraduate researcher (Spring 2024 – Summer 2025)
- Rhett Nyman, undergraduate researcher (CHS494: Capstone) (Spring 2024 – Summer 2025)

Committee Member

PhD committee member:
- Sofia Rocha, PhD student, College of Health Solution, ASU (Fall 2025 - present)
- Samyabrata Sen, PhD student, College of Health Solution, ASU (Fall 2025 - present)
- Parker Kooima, PhD student, College of Health Solution, ASU (Spring 2025 - present)
- Anthony Yanan, PhD student, College of Health Solution, ASU (Spring 2025 - present)
- Yasmine Baca, PhD student, College of Health Solution, ASU (Spring 2025 - present)
- Magdalena Olson, PhD student, College of Health Solution, ASU (Fall 2024 - present)
- Hannah Glesener, PhD student, Ira A Fulton Engineering, ASU (Fall 2023 – present)
- Angel Fernandez, PhD, School of Life Sciences, ASU (Spring 2024 – Summer 2025)
- Eveliina Hanski, PhD, Department of Biology, University of Oxford, UK (Spring 2023) *external committee member

MS committee member:
- Sofia Mancini, MS student, College of Health Solutions, ASU (2025 Summer – present)
- Gilma De Leon, MS student, School of Life Sciences, ASU (2024 Fall - present)
- Elizabeth Saucedo, MS student, College of Health Solution, ASU (2023 Spring – present)

Undergraduate thesis committee member:

- Shriya Bathula, Barett Honors' student, College of Health Solutions, ASU (Fall 2025 - present)
- Jenna Ryan, Barett Honors' student, The College of Liberal Arts and Sciences, ASU (Spring 2025 – present)
- Jainan Marble, Barett Honors' student, School of Historical, Philosophical and Religious Studies, ASU (Fall 2024 - present)
- Daniel Oesterle, Barett Honors' student, College of Health Solutions, ASU (Fall 2024)

Research Mentor

Postdoctoral researcher

- Dr. Samantha Giancarli, Derexel University (Spring 2025 – present)
- Dr. Khemlal Nirmalkar, Biodesign, ASU (Spring 2023 – present)
- Dr. Alex Mohr, College of Health Solutions, ASU (Spring 2023 - present)

PhD students

- Nicole Dorn, PhD student, School of Life Sciences, ASU (Fall 2023 – present)
- Andrew Bellinghiere, PhD student, School of Life Sciences, ASU (Spring 2023 – present)
- Blake Dirks, PhD student, Biodesign, ASU (Spring 2023 – present)
- Dorsa Daeizadeh, PhD student, School of Engineering of Matter, Transport and Energy, ASU (Spring 2023 – Summer 2025)
- Vanessa Delgado, PhD student, College of Health Solutions, ASU (Fall 2023)

MS students

- Madhav Sankar, MS student (BMI540), College of Health Solutions, ASU (2024 Fall)
- Kavya Prasad, MS student, College of Health Solutions, ASU (2023 Fall – 2024 Spring)

Undergraduate students

- Lingjun Li, Barett Honors' student (HCD300), College of Health Solutions, ASU (Spring 2025)
- Jariel Kate Sebastian, Barett Honors' student (HCD300), College of Health Solutions, ASU (Spring 2025)
- Noah Voss, Barett Honors' student (HCD300), College of Health Solutions, ASU (Fall 2024)
- Kim Galvan-Jauregui, Barett Honors' student (HCD300), College of Health Solutions, ASU (Fall 2024)
- Benjamin Glennon, Barett Honors' student (HCD300), College of Health Solutions, ASU (Fall 2024)
- Isaias Laris, undergraduate student (HCD300), College of Health Solutions, ASU (Spring 2024)
- Kamilah Hall, Barett Honors' student (HCD300), College of Health Solutions, ASU (Spring 2024)
- Joshelyn Ruelas, Barett Honors' student (HCD300), College of Health Solutions, ASU (Fall 2023)
- Jaquelyn Ruelas, Barett Honors' student (HCD300), College of Health Solutions, ASU (Fall 2023)
- Savannah Pacheco, undergraduate student (MIC401), School of Life Sciences, ASU (2023 Fall)
- Chun Hin Leung, undergraduate student (MIC401), School of Life Sciences, ASU (2023 Summer)
- Rachel Dong, undergraduate student (HCD300), College of Health Solutions, ASU (Fall 2023)

University of California Berkeley (2013 – 2018)

Undergraduate students (alphabetical):

- Savannah Berkley (Undergraduate Research Apprenticeship Program)
- Brian Chen (Undergraduate Research Apprenticeship Program)
- Sharon Chen (Undergraduate Research Apprenticeship Program)
- Muriam Choudhery (Undergraduate Research Apprenticeship Program)
- Michael Dizma (Undergraduate Research Apprenticeship Program)

- Awad Faddoul (Undergraduate Research Apprenticeship Program)
- Winnie Feng (Undergraduate Research Apprenticeship Program)
- Tory Harwin (Undergraduate Research Apprenticeship Program)
- Erik Hernandez (Undergraduate Research Apprenticeship Program)
- Daniela Hernandez (Undergraduate Research Apprenticeship Program)
- Gabriela Heyer (Undergraduate Research Apprenticeship Program)
- Yu Jin Hwang (Undergraduate Research Apprenticeship Program)
- Emmy Jin (Undergraduate Research Apprenticeship Program)
- Casie Lee (Undergraduate Research Apprenticeship Program)
- Glen Lipschitz (Undergraduate Research Apprenticeship Program)
- Adhayana Paul (Undergraduate Research Apprenticeship Program)
- Anna Petrosky (Museum curatorial project)
- Micah Rodriguez (Undergraduate Research Apprenticeship Program)
- Madeleine Rossanese (Undergraduate Research Apprenticeship Program)
- Akram Saad (Undergraduate Research Apprenticeship Program)
- Niki Sabetfakhri (Undergraduate Research Apprenticeship Program)
- Yu Sato (Undergraduate Research Apprenticeship Program)
- Elizabeth Serrano (Undergraduate Research Apprenticeship Program)
- Eric Shiah (Undergraduate Research Apprenticeship Program)
- Jane Yang (Independent research project)
- JiaYi Zhang (Undergraduate Research Apprenticeship Program)

SERVICE

Service to Arizona State University

Program-Level

Dates	Role	Committee
Fall 2025 - present	Member	Biomedical Informatics API Committee
Summer 2025 - present	Mentor	Biomedical Informatics Mentor-Mentee program
Spring 2025 - present	Member	Biomedical Informatics Oral Exam Committee
Fall 2024 – present	Member	Biomedical Informatics MS/PhD Graduate Admission Committee

College-Level

Dates	Role	Committee
Fall 2025 – present	Mentor	NIH T32 (PI: C. Whisner)
Fall 2023 - present	Member	Speaker Series Committee

Dates	Role	Service
Spring 2023 – present	Mentee	CHS Mentor/Mentee program
Fall 2024 - present	Mentor/speaker	NIH INTERACT T32
Fall 2025	Co-lead	QTRS GS review (HCD300)
Fall 2025	Reviewer	CHS Teaching review program
Spring 2024	Reviewee	CHS teaching review
Spring 2024	Volunteer	CHS Open Door, Downtown campus

University-Level

Dates	Role	Committee
Fall 2024 – present	Co-Organizer	Biodesign Center for Health Through Microbiomes (HTM) Joint Lab Meeting Committee
Spring 2024	Member	Biodesign 20th Anniversary Art Exhibit Committee
Spring 2024	Member	Biodesign Joint Lab Coordinator Hiring Committee
Spring 2023	Organizer	Biodesign HTM Open Door Committee

Dates	Role	Service
Fall 2025 – present	Reviewer	Microbiology PhD program admission, School of Life Sciences, ASU
Spring 2024	poster judge	Ronald Fisher award, FUSION, Biodesign Institute, ASU
Spring 2023 - present	Volunteer	Biodesign Open Door, Tempe campus

Service to Profession

Dates	Role	Committee
Summer 2025	Member	NSF review panel (DEB)
Summer 2024	Co-organizer	Symposium organizer at 3rd Joint Congress of Evolutionary Biology
Summer 2019	Co-organizer	Symposium organizer at 21st Annual Meeting of the Society of Evolutionary Studies, Japan

Dates	Role	Service
Spring 2025	ad hoc reviewer	NSF: IOS, Integrative Ecological Physiology
Fall 2024	ad hoc reviewer	NSF: DEB, Population and Community Ecology

Service to Journals

Ad hoc reviewer: Total of 60 peer reviews (16 conducted since joining ASU):

- High-Impact Multidisciplinary: Science (5), Nature Microbiology (1). Nature Ecology & Evolution (1), Science Advances (1), PLoS Biology (1), Scientific Reports (5), Proceedings (2)
- Microbiology & Molecular Biology: Microbiome (3), ISME Communications (2), Microbiology and Molecular Biology Reviews (2), FEMS Microbiology Ecology (3), Microbial Ecology (2), Frontiers in Microbiology (1), BMC Microbiology (1)
- Ecology & Evolution: Molecular Ecology (2), Evolution (1), Journal of Evolutionary Biology (1), Organisms Diversity & Evolution (3)
- Zoology & Mammalogy: Journal of Mammalogy (1), Mammalian Genome (2), Ibis (2)
- Health, Medicine & Human Biology: High Altitude Medicine & Biology (2), International Journal of Women's Health and Wellness (1), Austin Journal of Reproductive Medicine & Infertility (1)
- Broad Scope / Open Access: PLOS One (13), PeerJ (1)

(Full record: https://orcid.org/0000-0001-7800-8596)

Service to the Community

2025

- Interviewed, The State Press by John Tamayo
- Interviewed, ASU News, Biodesign Institute Communications by Rithwik Kalale https://shorturl.at/JrRqH
- Organizer, Evolutionary thinking workshop, Biodesign Center for Health Through Microbiomes, ASU

2024

- Mohr, A.E., C. Whisner, **T.A. Suzuki**, K. Sweazea, Q. Zhu, D.D. Sears, S. Wright, M. Olson, T.W.L. Cross, A. Biruete, B. Trumble, J. Morimoto. 2024. Nutritional Trade-Offs and Gut Microbiome Dynamics: A Multidimensional Analysis of Diet-Health Interactions. OSF REGISTERES https://doi.org/10.17605/OSF.IO/M4XSF
- Co-organizer, Microbiome workshop, Biodesign Center for Health Through Microbiomes, ASU
- Interviewed, NTR500 Research Methods, PhD students (Shelby Tyler and Alanoud Alrashidi)
- Interviewed, Live Science https://tinyurl.com/3j9e3am2

2023

- Interviewed, featured in Ask a Biologist: https://askabiologist.asu.edu/explore/evolution-gut-microbiome

2020

- Interviewed, academyhills, Challenger's relay (Japanese): https://www.academyhills.com/note/opinion/challengers2.html

2015

- Interviewed, The Graduates, University of California Berkeley. KALX 90.7FM https://shows.acast.com/the-graduates/episodes/taichi-suzuki

2014

- Interviewed, Super Human Radio (SHR # 1362) https://superhumanradio.net/tags/taichi-suzuki

2013

- Official blogger, Embassy of the United States of America (Japanese) (2013-2014) https://bit.ly/3w5Broj

2012

- Deputy editor, Kagakusha Network (Japanese Non-profit organization supporting students and researchers studying abroad) (2012-2014) http://www.kagakusha.net/members/taichi-suzuki
- Interviewed, research highlighted on the front page of newspaper, Arizona Daily Star https://bit.ly/3jrbJrS

2011

- Invited lecture, Hermosa Montessori Elementary School as the President of Japanese Association, Tucson Arizona

2010

- President, Japanese Student Association at The University of Arizona (2010 - 2011)

2008

- Curator Assistant, Kanagawa Prefectural Museum of Natural History, Japan.

Professional Memberships

Society for the Study of Evolution
Society for Integrative and Comparative Biology
Studies of Evolutionary Studies, Japan
American Society of Mammalogists
The Mammal Society of Japan
American Society for Microbiology