**Mikaela K. Nishida, M.S.**
Statistics Ph.D. Candidate and Graduate Student Researcher
University of California, Irvine
Email: mikaeln@uci.edu
Phone: 808-347-6496

**RESEARCH INTERESTS:** Survival analysis, efficient sampling designs, nested case-control design, clinical trial design and analysis, Alzheimer's disease recruitment and retention.

**EDUCATION**

| | |
|---|---|
| 2021 – Present | Ph.D. Statistics, University of California, Irvine, Irvine, CA |
| 2021 – 2024 | M.S. Statistics, University of California, Irvine, Irvine, CA |
| 2017 – 2021 | B.A. Mathematics and Japanese minor, Pomona College, Claremont, CA |

**POSITIONS & APPOINTMENTS**

2023 – Present  Organizer, Brown Bag Seminar (Statistics graduate student seminar series), UC Irvine

2021 – Present  **Graduate Student Researcher, Dr. Daniel Gillen, UC Irvine**
- Develop novel statistical theory and methods that focus on underrepresented communities and aim to reduce health disparities (review literature, conduct simulation studies, develop R packages).
- Publish and present results to the scientific community at academic group meetings and conferences including Joint Statistical Meetings.

2021 – Present  **Member, Gillen/Grill Alzheimer's Disease Research Lab, UC Irvine**
- Complete applied Alzheimer's disease recruitment and retention projects (manage data cleaning, perform statistical analyses using appropriate methods, create figures and tables, review relevant literature, draft manuscripts for peer-reviewed journals).
- Attend weekly meetings to discuss clinical trial design and relevant statistical methods.
- Present results at conferences including Clinical Trials on Alzheimer's Disease, and Alzheimer's Association International Conference.

2021 – Present  Member, Statistical Methods and Applied Research Talks Seminar Series, UC Irvine

2021 – Present  Co-chair, Research and Education in Memory Impairments and Neurological Disorders (REMIND), UCI MIND

2021 – 2023  Teaching Assistant, UC Irvine
Intermediate Probability and Statistical Theory II (graduate), Dr. Yaming Yu (2023)
Introduction to Probability and Statistics for Computer Science, Dr. David Armstrong (2022)
Introduction to Statistics/Biostatistics, Dr. Brigitte Baldi (2021 – 2022)

2021 – 2023  Student Representative, Diverse Educational Community and Doctoral Experience (DECADE), UC Irvine

2022  Teaching Assistant, Irvine Summer Institute in Biostatistics and Undergraduate Data Science, UC Irvine

2021  Participant, DECADE Competitive Edge Program, UC Irvine

2020  Undergraduate Researcher, Mathematical Sciences Research Institute Undergraduate Program, University of California, Berkeley

**HONORS & AWARDS**
- National Institute of Aging Diversity Supplement Recipient, UC Irvine (2023 – 2025)

- National Science Foundation Graduate Research Fellowship Program Honorable Mention, UC Irvine (2022)
- Diversity Recruitment Fellowship Recipient, UC Irvine (2021)

## PUBLICATIONS

1. **Nishida, M.K.,** Nuño, M.M., Grill, J.D., Gillen, D.L., "Effects of Informant Replacement in Alzheimer's Disease Clinical Trials." Alzheimer's & Dementia: Translational Research & Clinical Interventions (2023).
2. **Nishida, M.K.,** Nuño, M.M., Grill, J.D., Gillen, D.L., "Impacts of Informant Replacement in Two Industry-Sponsored Alzheimer's Disease Clinical Trials." Alzheimer's & Dementia: Translational Research & Clinical Interventions (2024).

## PRESENTATIONS & POSTERS

- REMIND Emerging Scientists Symposium, *"Assessing the Utility of Recruitment Strategies for Preclinical Alzheimer's Disease Trials Among Racial and Ethnic Groups"* (Irvine, CA; February 2025; poster)
- Joint Statistical Meetings, *"Modified Nested Case-Control Designs for Assessing Effect Modification in Underrepresented Populations"* (Portland, OR; August 2024; presentation)
- Alzheimer's Association International Conference, *"Impacts of Informant Replacement in Global Industry-Sponsored Alzheimer's Disease Clinical Trials"* (Philadelphia, PA; July 2024; poster)
- REMIND Emerging Scientists Symposium, *"Impacts of Informant Replacement in Global Industry-Sponsored Alzheimer's Disease Clinical Trials"* (Irvine, CA; March 2024; poster)
- Clinical Trials on Alzheimer's Disease, *"Effects of Informant Replacement in Alzheimer's Disease Clinical Trials"* (Boston, MA; October 2023; poster)
- Southern California Alzheimer's Disease Centers Research Symposium, *"Effects of Informant Replacement in Alzheimer's Disease Clinical Trials"* (Irvine, CA; May 2023; poster)
- REMIND Emerging Scientists Symposium, *"Effects of Informant Replacement in Alzheimer's Disease Clinical Trials"* (Irvine, CA; April 2023; poster)
- Competitive Edge Symposium, *"Trail Making Test, Learning Effects, and Dementia"* (Irvine, CA; September 2021; virtual presentation)
- Joint Mathematics Meetings, *"Visualizing Toroidal Belyi Maps"* (Virtual; January 2021; poster – Outstanding Poster Award)
- SACNAS, *"Visualizing Toroidal Belyi Maps"* (Virtual; October 2020; poster)
- Mathematical Sciences Research Institute Undergraduate Program Research Symposium, *"Visualizing Toroidal Belyi Maps"* (Virtual; July 2020; presentation)

## STATISTICAL & PROGRAMMING LANGUAGES

R, Experience with C++, Experience with Mathematica