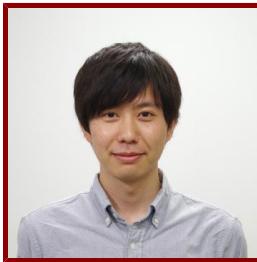


Stanford



Yuta Yamamoto

Postdoctoral Scholar, Cardiovascular Medicine

Bio

HONORS AND AWARDS

- Postdoctoral fellowship, The Uehara Memorial Foundation (2021)
- Research grant, Miyata Cardiac Research Promotion Foundation (2019)
- JHRS Academic Award, Japanese Heart Society (2017)
- JHRS Young Investigator Award, Japanese Heart Society (2017)
- Medical Technology Research Grant, Fukuda Foundation for Medical Technology (2017)
- Research grant, Takeda Science Foundation (2017)
- Basic Cardiovascular Science Best Abstract Award, American Heart Association (2016)

PROFESSIONAL EDUCATION

- PhD, Kyoto University , Cardiovascular Medicine (2017)
- DVM, Tokyo University of Agriculture and Technology , Veterinary Medicine (2013)

STANFORD ADVISORS

- Euan Ashley, Postdoctoral Faculty Sponsor
- Euan Ashley, Postdoctoral Research Mentor

LINKS

- Ashley lab: <https://ashleylab.stanford.edu/>

Publications

PUBLICATIONS

- **Electrophysiological Analysis of hiPSC-Derived Cardiomyocytes Using a Patch-Clamp Technique.** *Methods in molecular biology (Clifton, N.J.)* Yamamoto, Y., Hirose, S., Wuriyanghai, Y., Yoshinaga, D., Makiyama, T. 2021; 2320: 121-133
- **Allele-specific ablation rescues electrophysiological abnormalities in a human iPS cell model of long-QT syndrome with a CALM2 mutation** *HUMAN MOLECULAR GENETICS* Yamamoto, Y., Makiyama, T., Harita, T., Sasaki, K., Wuriyanghai, Y., Hayano, M., Nishiuchi, S., Kohjitani, H., Hirose, S., Chen, J., Yokoi, F., Ishikawa, T., Ohno, et al 2017; 26 (9): 1670-1677
- **Effects of a Sustained-Release Form of Isosorbide Dinitrate on Left Atrial Pressure in Dogs with Experimentally Induced Mitral Valve Regurgitation** *JOURNAL OF VETERINARY INTERNAL MEDICINE*

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- **Improved Cardiac Performance and Decreased Arrhythmia in Hypertrophic Cardiomyopathy With Non-#-Blocking R-Enantiomer Carvedilol.** *Circulation*
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 - **Novel Calmodulin Variant p.E46K Associated With Severe Catecholaminergic Polymorphic Ventricular Tachycardia Produces Robust Arrhythmogenicity in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes.** *Circulation. Arrhythmia and electrophysiology*
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 - **Disrupted CaV1.2 selectivity causes overlapping long QT and Brugada syndrome phenotypes in the CACNA1C-E1115K iPS cell model.** *Heart rhythm*
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 - **Gradient-based parameter optimization method to determine membrane ionic current composition in human induced pluripotent stem cell-derived cardiomyocytes** *SCIENTIFIC REPORTS*
Kohjitani, H., Koda, S., Himeno, Y., Makiyama, T., Yamamoto, Y., Yoshinaga, D., Wuriyanghai, Y., Kashiwa, A., Toyoda, F., Zhang, Y., Amano, A., Noma, A., Kimura, et al
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 - **Propranolol Attenuates Late Sodium Current in a Long QT Syndrome Type 3-Human Induced Pluripotent Stem Cell Model** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
Hirose, S., Makiyama, T., Melgari, D., Yamamoto, Y., Wuriyanghai, Y., Yokoi, F., Nishiuchi, S., Harita, T., Hayano, M., Kohjitani, H., Gao, J., Kashiwa, A., Nishikawa, et al
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 - **Phenotype-Based High-Throughput Classification of Long QT Syndrome Subtypes Using Human Induced Pluripotent Stem Cells** *STEM CELL REPORTS*
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 - **Clinical Manifestations and Long-Term Mortality in Lamin A/C Mutation Carriers From a Japanese Multicenter Registry** *CIRCULATION JOURNAL*
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 - **Complex aberrant splicing in the induced pluripotent stem cell-derived cardiomyocytes from a patient with long QT syndrome carrying KCNQ1-A344Asp mutation** *HEART RHYTHM*
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2018; 15 (10): 1566-1574
 - **Gene-Based Risk Stratification for Cardiac Disorders in LMNA Mutation Carriers** *CIRCULATION-CARDIOVASCULAR GENETICS*
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 - **Development of a Patient-Derived Induced Pluripotent Stem Cell Model for the Investigation of SCN5A-D1275N-Related Cardiac Sodium Channelopathy** *CIRCULATION JOURNAL*
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 - **Patient-Specific Human Induced Pluripotent Stem Cell Model Assessed with Electrical Pacing Validates S107 as a Potential Therapeutic Agent for Catecholaminergic Polymorphic Ventricular Tachycardia** *PLOS ONE*

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