



## Jingshan Gao

Postdoctoral Scholar, Cardiovascular Institute

### Bio

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#### PROFESSIONAL EDUCATION

- B of Medicine and B of Surgery, Unlisted School (2016)
- Doctor of Philosophy, Kyoto University (2023)
- PhD, Kyoto University , Cardiovascular Medicine (2023)

#### STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **When modifier genes shape arrhythmic risk: gene-dependent effects in long QT syndrome.** *European heart journal*  
Gao, J., Chen, Y. I., Wu, J. C.  
2026
- **Sex-specific clinical course of young patients with Brugada syndrome.** *European heart journal*  
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2025
- **Generation of two familial hypercholesterolemia patient-specific induced pluripotent stem cell lines harboring heterozygous mutations in the LDLR gene.** *Stem cell research*  
Gao, J., Li, J., Xu, L., Yan, C. D., Knowles, J. W., Wu, J. C.  
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- **Non-missense variants of KCNH2 show better outcomes in type 2 long QT syndrome.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*  
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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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- **Oral Adrenergic Agents Produced Ventricular Fibrillation and QT Prolongation in an Elderly Patient Carrying an RYR2 Variant.** *International heart journal*  
Hasegawa, K., Gao, J., Ohno, S., Ishida, K., Miyazaki, S., Makiyama, T., Horie, M., Uzui, H., Tada, H.  
2022; 63 (2): 398-403
- **Clinical aspects of pediatric Brugada syndrome**  
Imamura, T., Makiyama, T., Huang, H., Aizawa, T., Gao, J., Kashiwa, A., Wuriyanghai, Y., Yamamoto, Y., Kohjitani, Y., Kato, K., Ohno, S., Sumitomo, N., Horie, et al  
OXFORD UNIV PRESS.2020: 738
- **Preclinical proof-of-concept study: antisense-mediated knockdown of CALM as a therapeutic strategy for calmodulinopathy**  
Yamamoto, Y., Makiyama, T., Wuriyanghai, Y., Kohjitani, H., Gao, J., Kashiwa, A., Hai, H., Aizawa, T., Imamura, T., Ishikawa, T., Yoshida, Y., Ohno, S., Horie, 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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- **Complex aberrant splicing in the induced pluripotent stem cell-derived cardiomyocytes from a patient with long QT syndrome carrying KCNQ1-A344Aspl mutation** *HEART RHYTHM*  
Wuriyanghai, Y., Makiyama, T., Sasaki, K., Kamakura, T., Yamamoto, Y., Hayano, M., Harita, T., Nishiuchi, S., Chen, J., Kohjitani, H., Hirose, S., Yokoi, F., Gao, et al  
2018; 15 (10): 1566-1574
- **Analysis of mutation of the c-Kit gene and *PDGFRA* in gastrointestinal stromal tumors** *EXPERIMENTAL AND THERAPEUTIC MEDICINE*  
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- **Association between EML4-ALK fusion gene and thymidylate synthase mRNA expression in non-small cell lung cancer tissues** *EXPERIMENTAL AND THERAPEUTIC MEDICINE*  
Xu, C., Wang, G., Wang, W., Gao, W., Han, C., Gao, J., Zhang, L., Li, Y., Wang, L., Zhang, Y., Tian, Y., Qi, D.  
2015; 9 (6): 2151-2154
- **Association between epidermal growth factor receptor mutations and the expression of excision repair cross-complementing protein 1 and ribonucleotide reductase subunit M1 mRNA in patients with non-small cell lung cancer** *EXPERIMENTAL AND THERAPEUTIC MEDICINE*  
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2015; 9 (3): 880-884