

## Tiara T. Wong

PATENT AGENT

Patents and  
Innovations  
San Diego

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## FOCUS AREAS

Biotech  
Life Sciences  
Patents and Innovations

## EXPERIENCE

Dr. Tiara T. Wong is a patent agent in the San Diego office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovation practice. She assists with the preparation and prosecution of patent applications in the life sciences, biotechnology, and pharmaceutical fields.

Prior to joining the firm, Tiara was a scientist at AnaBios Corporation, a contract research organization utilizing human primary cells and tissues for drug discovery. She worked on several research and development projects that supported clients' needs. Her works involved human precision-cut lung slices (PCLS), spinal cord slices, cardiomyocytes, and dorsal root ganglia (DRGs). She also assisted the calcium imaging department on pain pathway studies using DRGs. Through her career in science, Tiara acquired broad experience in the field of life sciences, including molecular biology, cell biology, stem cell biology, cancer biology, immunology, neurobiology, cardiovascular diseases, and in vitro disease models.

Tiara received her Ph.D. in biomedical sciences from Sanford Burnham Prebys Medical Discovery Institute in La Jolla, California, where her work focused on using patient specific induced pluripotent stem cells (iPSC) to model a fibrotic phenotype of a genetic heart disease called ARVD/C.

Tiara is fluent in English and Thai.

## CREDENTIALS

### Education

- Ph.D., Biomedical Sciences, Sanford Burnham Prebys Medical Discovery Institute, 2018
- B.A., Biology, McDaniel College, 2012  
*Specialization in Molecular Biology, Summa Cum Laude, With Honors in Biology*

### Admissions

- U.S. Patent and Trademark Office

## INSIGHTS

### Select Publications

- Co-author with A.T. Ton, et al., "Arrhythmogenic and Antiarrhythmic Actions of Late Sustained Sodium Current in The Adult Human Heart," *Scientific Report*, 2021
- Co-author with J.P. Song, et al., "Elevated Plasma Beta-Hydroxybutyrate Predicts Adverse Outcomes and Disease Progression in Patients with Arrhythmogenic Cardiomyopathy," *Science Translational Medicine*, 2020
- Co-author with K. Shah, et al., "Modeling Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy with Patient-Specific iPSCs," Chapter 3, *Human iPSC Cells in Disease Modeling*, edited by K. Fukada, 2016

- Co-author with W. Leung, et al., "The Drosophila Muller F Elements Maintain a Distinct Set of Genomic Properties Over 40 Million Years of Evolution," *G3: GENES, GENOMES, GENETICS*, 2015
- Co-author with C. Cerrone, et al., "Missense Mutations in Plakophilin-2 Cause Sodium Current Deficit and Associate with a Brugada Syndrome Phenotype," *Circulation*, 2013

## TECHNICAL FLUENCY

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### Biological Sciences and Biotechnology

- Biologics
- Cancer biology
- Cell biology
- Cell culture products
- Cell therapy
- Cellular biology
- Cellular immunology
- Epigenetics
- Genetics
- MicroRNA (miRNA) research
- Molecular biology
- Molecular genetics
- Stem cell biology

### Miscellaneous

- Psychology