

## Melanie Malinas

PATENT AGENT

Patents and  
Innovations  
*San Francisco*

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### FOCUS AREAS

Artificial Intelligence and  
Machine Learning  
Biotech  
Diagnostics, Life Science  
Tools, and Deep Tech  
Digital Health  
Intellectual Property  
Life Sciences  
Medical Devices  
Patents and Innovations  
Software

### EXPERIENCE

Dr. Melanie Malinas is a patent agent in the San Francisco office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovations practice. Her work focuses on patent preparation and prosecution, particularly in the life sciences and biotechnology fields.

Prior to joining the firm, Melanie worked at biotech start-ups in the San Francisco Bay Area as a bioinformatics data scientist, working on genomics assay development. She completed her Ph.D. at Stanford University in the field of biophysics, focusing on data analysis for complex fluorescence imaging experiments. Melanie has a strong background in biophysics, bioinformatics, and data science.

### CREDENTIALS

#### Education

- Ph.D., Biophysics, Stanford University, 2019
- B.A., Biochemistry and Chemistry, Oberlin College, 2013  
*2012 Goldwater Scholar*

#### Admissions

- U.S. Patent and Trademark Office

### TECHNICAL FLUENCY

#### Biological Sciences and Biotechnology

- Biochemical assays
- Biochemistry
- Biophysics
- Cell biology
- Cellular biology
- Genetics
- Genomics
- Molecular biology
- Molecular genetics
- Neurobiology
- PCR

#### Diagnostics and Medical Devices

- Bioinformatic
- Biomedical devices

- Biomedical engineering
- Biosensors
- Diagnostics
- Digital pathology
- Medical devices
- Medical imaging
- Neuroimaging
- Point-of-care testing (POCT)
- Wearable analyte sensors

## **Chemistry and Material Science**

- Protein engineering
- Protein folding

## **Engineering and Technology**

- AI
- Biomechanics
- Computer science
- Machine learning
- Mechanical engineering
- Microfluidics

## **Genomics and Data Analysis**

- Bioinformatics algorithms
- Computational biology
- Next-generation sequencing
- Sequencing
- Single-cell sequencing

## **Miscellaneous**

- Fluorescence microscopy
- Physics