

Sowmya Subramanian, PhD

SENIOR PATENT AGENT

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Dr. Sowmya Subramanian draws on her unique multidisciplinary background and industry experience to assist in the preparation and prosecution of patent applications, conduct landscape and freedom-to-operate analyses, formulate non-infringement positions, perform diligence reviews, and assist in IP litigation matters. She also works closely with Choate's intellectual property attorneys to advise clients on various aspects of their IP strategy and patent portfolio management.

Prior to joining Choate, Sowmya worked as a Science Writer at a science education firm, where she drafted and reviewed scripts and storyboards for educational videos addressing complex concepts in the fields of electrical engineering, bioMEMS, biomedical engineering, bioengineering, nanotechnology, biological sciences, and chemistry.

While working on her PhD from the University of Maryland, Sowmya designed and developed an integrated medical device for real-time bacterial biofilm detection and treatment using Lab-on-a-Chip technology. During her master's program, she developed a carbon nanotube field-effect transistor (CNTFET) biosensor for pico-gram level genetic detection of Escherichia coli in food samples.

Admissions

• U.S. Patent & Trademark Office

Representative Engagements

- Assist in portfolio management, preparation, and prosecution of patent applications related to electrical
 and computer engineering, bioengineering, nanotechnology, and biological products. Particular
 experience in therapeutic, diagnostic, and device spaces, and in biocompatible/biologically relevant
 materials.
- Provide intellectual property portfolio strategy, including patent strategy and portfolio management, to clients of varied sizes.
- · Conduct patent landscape and freedom-to-operate analyses.
- · Perform diligence reviews of target companies or assets on behalf of investors or acquirers.
- · Assist in IP litigation matters.

Focus Areas

Intellectual Property

IP Counseling