

Raquel G. de Castro, Ph.D.

Associate

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Services

Intellectual Property

Patents

Asset Creation - Prosecution &
Counseling

Licensing, Transactions &
Monetization

Patent Due Diligence

Industries

Health & Life Sciences



Raquel de Castro focuses her practice on patent prosecution and counseling in the fields of chemistry and life sciences.

While attending law school, Raquel worked with the firm in 2022 and 2023 as a summer associate in its patent prosecution practice. She served as an intellectual property analyst intern at University of Arkansas Technology Ventures where she performed market research for and intellectual property analysis on new technologies developed at the University. Raquel was Events Committee Chair for the University of Arkansas Patent Boot Camp where she provided leadership, event planning, and helped develop the agenda for this nationwide symposium focused on current issues in intellectual property. She also served as a judicial extern at a leading logistics and freight transportation provider in Lowell, Arkansas. The University honored Raquel with its Pro Bono Service Recognition in 2024.

While attending the University of Arkansas, Raquel was a graduate research assistant where she:

- Developed chitosan nanoparticles with a greater drug loading capacity of aminoglycosides for targeted drug delivery and controlled drug release for the ocular environment
- Synthesized a Polyvinyl Alcohol (PVA) hydrogel film for protein delivery
- Fabricated a Chitosan-PEGDA film with antimicrobial properties for food packaging
- Investigated the bioenergetic profile of cell lines derived from patients with mitochondrial disease
- Assisted with laboratory set up and started cell culture experiments for cancer research
- Trained undergraduate students on laboratory procedures and safe practices

Previously, Raquel was a high school biology teacher at Bentonville High School in Arkansas where she developed and implemented a biology ESL curriculum and started its biology International Baccalaureate (IB)

program.

Raquel's native language is Portuguese. She has basic knowledge of Spanish.

Education

University of Arkansas School of Law J.D. (2024)

University of Arkansas Graduate Certificate in Business Law (2024)

University of Arkansas Ph.D., Cell and Molecular Biology (2021)

University of Arkansas M.A., Teaching (2013)

University of Arkansas B.S., Biology (2012)

Admissions

Arkansas (2025)

North Carolina (2025)

Court Admissions

U.S. Patent and Trademark Office (2024)

Professional & Community Activities

University of Arkansas School of Law, Hispanic Law Student Association, Treasurer (2022-2024)

University of Arkansas School of Law, Immigration Law Society, 2L Representative (2022-2024)

University of Arkansas School of Law, Animal Defense Fund, 2L Representative (2021-2024)

University of Arkansas, Health SWAG Student Organization, Vice-President and Founding Member (2019-2021)

University of Arkansas, Cell and Molecular Biology Graduate Student Association, Secretary (2018-2021)

Insights

[Webinars](#)

IP Innovations | Pharmaceutical Patents: Evolving Standards for Written Description and Enablement

October 8, 2026

[Events](#)

Advanced Patent Law Seminar

February 12, 2026

[Events](#)

World Intellectual Property Day Symposium

April 18, 2025

Publication

Fabrication of Chitosan/PEGDA Bionanocomposites for Enhanced Drug Encapsulation and Release Efficiency
September 29, 2023

Webinars

Inhibitory Effects of Low Molecular Weight Fucoïdan Released From PLGA Micro-Particles Encapsulated in Chitosan on MCF-7 Cell Lines

November 19, 2020