





# Crystal Culhane, Ph.D.

## Associate

 San Diego, CA

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## Overview

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### About Crystal

Crystal Culhane, Ph.D., is an associate in the Southern California office of Fish & Richardson P.C. Dr. Culhane's practice focuses on patent prosecution work in the areas of chemistry, pharmaceuticals, and biotechnology, due diligence, patentability and freedom to operate opinions, and patent opinions. She also has experience in patent litigation matters, including Hatch-Waxman Act matters.

Dr. Culhane earned her doctorate in chemistry at Johns Hopkins University, where her research focused on the design, synthesis, and evaluation of novel optical and radioactive small molecule prostate cancer imaging agents. She has significant experience in various scientific disciplines, including synthetic organic chemistry, radiochemistry, biology, radiobiology, and small animal imaging.

Dr. Culhane's prior legal experience includes work as an associate at a large multinational law firm and as a technology specialist in firms in San Diego, California.

### Focus Areas

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### Services

- Patent
- Opinions and Strategic Counseling
- Patent Prosecution

## Industries

- Academic Research and Medical Centers
- Chemicals
- Energy and Petrochemical
- Life Sciences
- Medical Devices
- Nanotechnology

## Education

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J.D. *cum laude*, California Western School of Law (2014) Member of Student Intellectual Property Law Association (SIPLA)

Ph.D., Chemistry, Johns Hopkins University (2008)

B.S., Chemistry, University of St. Thomas (2001)

# Insights

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## Publications

- “Interactions between human glutamate carboxypeptidase II and urea-based inhibitors: structural characterization,” *J. Med. Chem.* 51(24):7737-43 (2008)
- “N-[N-[(S)-1,3-Dicarboxypropyl]carbamoyl]-4-[18F]fluorobenzyl-L-cysteine, [18F]DCFBC: a new imaging probe for prostate cancer,” *Clin. Cancer Res.* 14(10):3036-43 (2008)
- “Catalytic, asymmetric alpha-chlorination of acid halides,” *J. Am. Chem. Soc.* 126(13):4245-55 (2004)

## Speaking Engagements

- “Protecting your IP from Infringement with Effective Patent Prosecution and Counsel in the Life Sciences,” *San Diego Office CLE Event* (January 2018)
- “Protecting your IP from Infringement with Effective Patent Prosecution and Counsel,” *Association of Corporate Counsel – San Diego Chapter presentation* (December 2017)
- “Recent Flip-Flops in Intellectual Property Law,” *Fish L.E.A.D. Event*, Palo Alto, CA (September 2017)

# Recognition

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- “Leaders in Law Award, Rising Star,” *San Diego Business Journal* (2021)
- Named to the “Best Lawyers: Ones to Watch” list by *The Best Lawyers in America*© (2022)
- Named a “Women of Influence in Law” by the *San Diego Business Journal* (2021)
- Named one of San Diego’s Top Attorneys by *SD Metro Magazine* (2020)
- Named a “Woman of Influence” by *San Diego Metro* (2019)
- Named one of San Diego’s Top 40 Under 40 by *The Daily Transcript* (2018)
- Selected for the Leadership Council on Legal Diversity (LCLD) Pathfinder Program (2018)
- Selected as one of the “40 Under 40” by *SD Metro* (2017)

## Memberships & Affiliations

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American Chemical Society

San Diego Intellectual Property Law Association

Lawyers Club of San Diego

Athena, and Women in Bio