

Jacob Golan, Ph.D.

Associate

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Overview

Jacob Golan focuses his practice on intellectual property and FDA regulatory law, with particular experience in biotechnology, bioinformatics, A.I., medical device (imaging, optical, radiofrequency, biosensing, and drug-delivery technologies) innovations, agrotechnology, and material science. He counsels clients on the preparation and prosecution of U.S. and international patent applications, trademark filings, and intellectual property portfolio management. Jacob also advises on IP due diligence and licensing matters, drawing on his scientific background to help clients navigate complex issues related to patentability, infringement, and freedom-to-operate analyses.

On the regulatory side, Jacob counsels health and biomedical technology companies, along with clients in the food, beverage, and agricultural technology sectors, on FDA compliance and strategy. His work spans the regulatory framework governing digital health and software-based products as well as the classification and labeling of consumer and agricultural products, helping clients bring new products to market and align their regulatory and intellectual property strategies. His practice also extends to data privacy and cybersecurity, advising clients on protecting sensitive information and meeting applicable privacy and security requirements.

Jacob's scientific background includes a Ph.D. in microbiology from the University of Wisconsin–Madison, where he received training in genomics, computational biology and biophysics. He has authored several peer-review journal articles and received numerous fellowships and awards. He also has experience as a Research and Development Scientist for a biotechnology company, where he developed molecular techniques for breeding novel fungal strains for patent filings.

Practices & Industries

- **Academic Institutions & Higher Education**
- **Artificial Intelligence**
- **Data Centers and Digital Infrastructure**
- **Data Privacy, Protection & Litigation**
- **Emerging Companies**
- **Healthcare**
- **Healthcare & Life Sciences**
- **Intellectual Property & Technology**
- **Intellectual Property Litigation**
- **Life Sciences**
- **Patent Litigation**
- **Patent Prosecution & Counseling**
- **Technology, Telecommunications & Outsourcing**

Experience

No aspect of this advertisement has been approved by the highest court of any state. Prior results do not guarantee a similar outcome.

Counseled clients on strategic management of complex patent portfolios related to medical device instruments.

Completed an IP due diligence for a major acquisition by a Fortune 500 client in the immunotherapeutic space.

Prosecuted and drafted global patent filings in biotechnology, agrotechnology, and material sciences; prepared and responded to

trademark Office Actions; coordinated ownership transfer of global patent portfolios; led client development initiatives; and served as a guest speaker at universities and national conferences.

Drafted and prosecuted global patent filings, conducted due diligence for technology acquisitions, prepared licensing agreements involving plant patents and plant variety protection certificates, and provided technical support to litigation teams.

Supported compliance of biotechnology corporations with Brazilian law, conducting all responsibilities in Portuguese.

Education and Credentials

Education

New York University School of Law, J.D., 2023; Editor-in-Chief, Journal of Intellectual Property & Entertainment Law

University of Wisconsin, Madison, Ph.D., 2020, Microbiology

Duke University, B.S., with Honors, 2014, Biology and Geology

Admissions

State of California

U.S. Patent and Trademark Office

Affiliations

American Bar Association

American Intellectual Property Law Association

Languages

Portuguese

Spanish

Recognition and Community

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Recognitions

National Science Foundation Graduate Research Fellowship

Chateaubriand STEM Fellowship

North American Mycological Association Memorial Fellowship

Duke University Department Excellence in Plant Science Prize

Perilman Research Award

Seymour H. Shore Endowment for Undergraduate Research

Phi Beta Kappa

Community Involvement

National Bureau of Economic Research (NBER), Patent Consultant

Local Contexts, Advisor

Open Fung, IP Consultant

Insights

When AI Becomes a Medical Device: FDA Boundaries for Patient-Facing Health Tools
MedTech Insight, October 26, 2026

Patently Enabled August 2026 - Design Patents Beyond the Display: Digital and Immersive Interfaces Under the USPTO's 2026 Guidance
Day Pitney Patently Enabled Newsletter, August 18, 2026

Submitting Ideas to AI Platforms May Affect Patent Rights
May 27, 2026

Rescheduling Cannabis: The Coming Collision with Ag-Biotech Regulation
mg Magazine, May 19, 2026

Patently Enabled March 2026 - Patent Titles in U.S. Practice: Scope, Interpretation, and Strategic Considerations
Day Pitney Patently Enabled Newsletter, March 3, 2026

Patently Enabled February 2026 - Form Follows Function…Except in Apparatus Claims
Day Pitney Patently Enabled Newsletter, February 3, 2026

Patently Enabled December 2025 – How Broadly Can I Claim? Genus-Species Assessments and Why They Matter
Day Pitney Patently Enabled Newsletter, December 5, 2025

Patently Enabled November 2025 – A Procedural Trap for Patents: The Constructive Election Rule
Day Pitney Patently Enabled Newsletter, November 7, 2025

In The Media

"Fungi & Intellectual Property (IP)," Mycological Society of America Annual Meeting 2025, Madison, WI
June 28 - July 2, 2025

Benefit sharing on genetic resources: Modelling data access, control and willingness-to-pay for digital sequence information
Ecological Solutions and Evidence, January 2025

Data-Driven Insights On Optimizing PTAB Institution Decisions
Law360, March 12, 2024

The Food Microbiome as Traditional Knowledge
Journal of Intellectual Property and Entertainment Law, September 12, 2022

Benefit sharing: Why inclusive provenance metadata matter
Frontiers in Genetics, August 30, 2022

Intellectual property rights and ethnobiology: an update on Posey's call to action
Journal of Ethnobiology, April 3, 2019