CLARK+ELBING

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Ross A. Keenholtz, Ph.D.

Patent Attorney

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EDUCATION

J.D., *cum laude*, Suffolk Law School

Ph.D., Biochemistry and Molecular Biology, University of Chicago

B.A. *with honors,* Integrated Science and Chemistry, Northwestern University

BAR ADMISSIONS

Massachusetts

U.S. Patent and Trademark Office

PRACTICE AREAS

Corporate & Investment Diligence

Licensing & Transactions

Patent Opinions

Patent Prosecution

Strategic Counseling

Trade Secrets

Trademarks

TECHNOLOGIES

Chemistry & Materials Science

Industrial Devices

Life Sciences

Medical Devices & Diagnostics

OVERVIEW

Ross leverages his broad research expertise in physical and biological sciences to assist clients in obtaining maximum patent coverage for their cutting edge inventions. He works with a diverse set of academic clients, start-ups, and established biotechnology and pharmaceutical companies to draft and prosecute patent applications to grant. He also assists scientists and investors with patentability and freedom-to-operate due diligence through the evaluation of client and competitor IP portfolios.

As a graduate student, Ross utilized biophysical approaches to dissect dynamic biological systems. His doctoral research focused on elucidating the mechanism of serine recombinases, enzymes that mediate the horizontal transfer of bacterial virulence genes. By using a combination of structural and kinetic techniques, he identified the molecular basis for catalytic activation and discovered a novel mode of arginine-mediated phosphoryl transfer.

Ross has authored original publications in *Structure*, *Journal of Biological Chemistry*, *Nucleic Acids Research*, *and Scientific Reports*.

EXPERIENCE

Honors:

- Molecular and Cellular Biology (MCB) Training Grant recipient
- Departmental Honors, Integrated Science Program

Affiliations:

- Member, Massachusetts Biotechnology Council

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