CLARK+ELBING

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Alexei S. Ten, Ph.D.

Technology Specialist

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EDUCATION

Ph.D., Chemistry, Northwestern University

M.S., Chemistry, University of Chicago

B.S., Chemistry (ACS-certified) & Biochemistry, University of Washington

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

Alexei applies his training in chemistry and his experience as a former startup co-founder to assist clients in the preparation and prosecution of patent applications.

Alexei's doctoral research at Northwestern University focused on combining mass spectrometry, self-assembled monolayers, and peptides to study chemical and biological modifications of peptides. In addition, he also developed a novel synthesis method to produce large peptide libraries which have the potential to save up to three orders of magnitude on cost and synthesis time, enabling synthesis of one-off libraries to search for potential sequences of interest. Alexei demonstrated the usefulness of these libraries by synthesizing and screening a 5,832-member library for potentially novel integrin adhesion ligands. He also utilized his knowledge of peptides, mass spectrometry, and computer science to demonstrate a proof-of-concept method for molecular data storage utilizing non-DNA molecules, which ultimately led to the founding of his company.

Alexei expanded his knowledge of physical chemistry and material science by contributing to multi-disciplinary projects under the mentorship of George Whitesides at Harvard University. He also received world-class education, under senior management of his company, in matters relating to patent landscape analysis, free-to-operate analysis, and patent strategy, as it pertains to business operations.

Alexei is a co-inventor on patents, in various stages of prosecution, originating from his work during graduate school, post-doc, and his company. He has co-authored articles published in ACS Central Science and Industrial & Engineering Chemistry Research.

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