



Eileen S. Sun, Ph.D.

PARTNER

EDUCATION

Seattle University
School of Law
J.D. 2009

University of Washington
Pathobiology
Ph.D. 2004

Massachusetts Institute of
Technology
Biology
B.S. 1994

INDUSTRY GROUPS

Biotechnology
Medical Devices
Pharmaceuticals

SERVICES

Patent

BAR ADMISSIONS

Washington
United States Patent
and Trademark Office

BACKGROUND

Eileen specializes in U.S. and foreign biotechnology patent matters, including patent procurement, licensing, and strategic portfolio management. She received a B.S. in Biology in 1994 from Massachusetts Institute of Technology, and a Ph.D. in Pathobiology in 2004 from University of Washington. Eileen received her J.D. (cum laude) from the Seattle University School of Law in 2009.

EXPERIENCE

During her scientific career, Eileen worked in the fields of genomics and infectious disease. Eileen worked for several years at the Whitehead Institute for Biomedical Research, where she worked on positional cloning and characterization of the mouse pudgy mutation. Her graduate research focused on characterizing the sequence diversity of and immune response to a subfamily of *Treponema pallidum* subsp. *pallidum* proteins during syphilis infection in an animal model. Eileen has co-authored multiple scientific articles published in peer-reviewed journals and presented results at several conferences.

Prior to joining Seed IP Law Group, Eileen worked at several pharmaceutical companies, including Trubion Pharmaceuticals Inc. and Emergent Product Development Seattle, LLC. She prosecuted patent portfolios relating to antibody therapeutics for oncology and autoimmunity, managed patent application drafting and prosecution activities of outside counsel, coordinated patent prosecution strategy with collaboration partners, conducted landscape analyses, and assisted with IP due diligence exercises. Additionally, Eileen worked for five years at Rosetta Inpharmatics LLC, a wholly owned subsidiary of Merck & Co., Inc., as a patent agent, where she was involved in preparation and prosecution of patent applications for a variety of technologies, including gene splice variants, RNA amplification, gene expression profiling, mechanical devices, microRNAs, and biomarkers. She also managed patent application drafting and prosecution activities by outside counsel and assisted with patentability, non-infringement, invalidity, and freedom to operate analyses.

AFFILIATIONS

Eileen is admitted to the Washington State Bar and is registered to practice before the U.S. Patent and Trademark Office. She is a member of the Washington State Patent Law Association and Life Science Washington (formerly Washington Biotechnology and Biomedical Association).

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PUBLICATIONS

Gray, R.R., Mulligan, C.J., Molini, B.J., Sun, E.S., Giacani, L., Godornes, C., Kitchen, A., Lukehart, S.A., Centurion-Lara, A. Molecular evolution of the *tpnC*, *D*, *1*, *K*, *G*, and *J* genes in the pathogenic genus *Treponema*. *Mol. Biol. Evol.* 23(11):2220-2233 (2006).

Centurion-Lara, A., Molini, B.J., Godornes, C., Sun, E., Hevner, K., Van Voorhis, W.C., Lukehart, S.A. Molecular differentiation of *Treponema pallidum* subspecies. *J. Clin. Microbiol.* 44(9):3377-3380 (2006).

Sun, E.S., Molini, B.M., Barrett, L.K., Centurion-Lara, A., Lukehart, S.A., Van Voorhis, W.C. Subfamily I *Treponema pallidum* repeat proteins: sequence variation and immunity. *Microbes Infect.* 6(8):725-737 (2004).

Giacani, L., Sun, E.S., Hevner, K., Molini, B.J., Van Voorhis, W.C., Lukehart, S.A., Centurion-Lara, A. *Tpr* homologs in *Treponema paraluis-cuniculi*, Cuniculi A strain. *Infect. Immun.* 72(11):6561-6576 (2004).

Centurion-Lara, A., Sun, E.S., Barrett, L.K., Castro, C., Lukehart, S.A., Van Voorhis, W.C. Multiple alleles of *Treponema pallidum* repeat gene *D* in *Treponema pallidum* isolates. *J. Bacteriol.* 182(8):2332-2335 (2000).

Kusumi, K., Sun, E.S., Kerrebrock, A.W., Bronson, R.T., Chi, D.C., Bulotsky, M.S., Spencer, J.B., Birren, B.W., Frankel, W.N., and Lander, E.S. The mouse *pudgy* mutation disrupts *Delta* homologue *Dll3* and initiation of early somite boundaries. *Nat. Genet.* 19(3):274-278 (1998).