

WILSON SONSINI

Ellie Han

ASSOCIATE

Patents and
Innovations
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FOCUS AREAS

Biotech
Life Sciences
Medical Devices
Patents and Innovations

EXPERIENCE

Dr. EunHee (Ellie) Han is an associate in the Century City office of Wilson Sonsini Goodrich & Rosati, where she is a member of the firm's patents and innovations group. She focuses on patent prosecution and intellectual property counseling, primarily in diagnostics, medtech, therapeutics, and biotechnology industries.

Ellie worked as a patent agent before and during law school, through the firm's Patent Attorney Law School work-study program. While at UCLA Law, she participated in UCLA's Patent Clinic and UC Hastings's Startup Legal Garage Clinic, helping start-up founders establish their intellectual property.

Prior to joining the firm, Ellie was a team leader in the biomedical systems and technologies group at Physical Optics Corporation. There, she oversaw various projects on wound healing and in vitro diagnostics, including lateral flow assays, point-of-care devices, and organ-on-a-chip devices.

Ellie's doctoral dissertation focused on the role of proteoglycans in cartilage biomechanics and in biomaterials for orthopedic regenerative medicine. She also performed research at the Mayo Clinic on growth factor regulation of tendon cells.

CREDENTIALS

Education

- J.D., UCLA School of Law
Managing Editor, UCLA Journal of Law and Technology
- Ph.D., Bioengineering, University of California, San Diego
National Science Foundation Graduate Research Fellow
- B.S., Bioengineering: Biotechnology, University of California, San Diego
University of California Regents Scholar, Tau Beta Pi Engineering Honor Society

Admissions

- State Bar of California
- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Lead author with C. GE, A.C. Chen, B.L. Schumacher, and R.L. Sah, "Compaction enhances extracellular matrix content and mechanical properties of tissue engineered cartilaginous constructs," *18 Tissue Eng: Part A* 1151-60, 2012
- Lead author with S.S. Chen, S.M. Klisch, and R.L. Sah, "Proteoglycan osmotic swelling pressure contribution to compressive properties of articular cartilage," *100(4) Biophys J* 916-24, 2011

- Lead author with L.M. Wilensky, B.L. Schumacher, K. Masuda, and R.L. Sah, "Tissue engineering by molecular disassembly and reassembly: biomimetic aggregation to tune the retention of mechanically functional aggrecan in hydrogel," 16(6) *Tissue Eng: Part C*, 1471-9, 2010
- Lead author with W.C. Bae, N.D. Hsieh-Bonassera, et al., "Shaped, stratified, scaffold-free grafts for articular cartilage defects," 466(8) *Clin Orthop Relat Res*, 1912-20, 2008
- Co-author with T.A. Schmidt, N.S. Gasteulm, G.E. Nugent, B.L. Schumacher, and R.L. Sah, "Differential regulation of proteoglycan 4 metabolism in cartilage by IL-1 α , IGF-I, and TGF- β 1," 16(1) *Osteoarthritis Cartilage*, 90-7, 2008
- Co-author with T.A. Schmidt, B.L. Schumacher, T.J. Klein, M.S. Voegtline, and R.L. Sah, "Chemomechanical coupling in articular cartilage: IL-1 α and TGF- β 1 regulate chondrocyte synthesis and secretion of lubricin/superficial zone protein," *Physical Regulation of Skeletal Repair*, ed by R.K. Aaron and M.E. Bolander, American Academy of Orthopaedic Surgeons, Chicago, 2005

Select Speaking Engagements

- Speaker, "Incorporation of CS:KS ratio and collagen extrafibrillar water content into osmotic pressure model to study compressive properties of articular cartilage," Orthopaedics Research Society Annual Meeting, Long Beach, California, January 2011
- Speaker, "Tissue engineering by molecular disassembly and reassembly: Biomimetic aggregation to tune the retention of mechanically-functional aggrecan," Orthopaedics Research Society Annual Meeting, New Orleans, Louisiana, March 2010
- Speaker, "Shaped, scaffold-free cartilaginous constructs for articular cartilage defects," California Tissue Engineering Meeting, Davis, California, September 2006