WILSON SONSINI

Seth Lee

PATENT AGENT

Patents and Innovations

New York

seth.lee@wsgr.com
212-453-2834

FOCUS AREAS

Intellectual Property

Life Sciences

Patents and Innovations

EXPERIENCE

Dr. Seth Lee is a patent agent in the New York office of Wilson Sonsini Goodrich & Rosati, where he is a member of the patents and innovations practice. His practice focuses on patent prosecution and intellectual property matters, primarily in the additive manufacturing, medical device, biotechnology, and life sciences industries.

Prior to joining the firm, Seth conducted doctoral research on developing biomaterials based on supramolecular chemistry and self-assembly under the supervision of Professor Samuel I. Stupp at Northwestern University. During his postdoctoral research in the laboratory of Professor Helen H. Blau at Stanford University, he studied muscle stem cell biology for muscle regeneration.

CREDENTIALS

Education

- Postdoctoral Scholar, Stanford University, 2017
- Ph.D., Materials Science and Engineering, Northwestern University, 2015
  Samsung Scholarship Ph.D. Fellow
- B.S., Materials Science and Engineering, Cornell University, 2009

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with T. Fyrner, S. Stupp et al., "Sulfated glycopeptide nanostructures for multipotent protein activation," 12(8) *Nature Nanotechnology* 821-9, 2017
- Co-author with R. Freeman, N. Stephanopoulos, and S. Stupp et al., "Instructing cells with programmable peptide DNA hybrids," 8(15982) *Nature Communications*, 2017
- Co-author with R. Da Silva, E. Meijer, and S. Stupp et al., "Super-resolution microscopy reveals structural diversity in molecular exchange among peptide amphiphile nanofibers," 7(11561) *Nature Communications*, 2016
- Co-author with E. Pazos, S. Stupp et al., "Nucleation and growth of ordered arrays of silver nanoparticles on peptide nanofibers: hybrid nanostructures with antimicrobial properties," 138(17) *Journal of the American Chemical Society* 5507-10, 2016
- Co-author with C. Newcomb, M. Snead, and S. Stupp et al., "Supramolecular nanofibers enhance growth factor signaling by increasing lipid raft mobility," 16(5) *Nano Letters* 3042-50, 2016
- Co-author with E. Hsu, S. Stock, and S. Stupp et al., "Gel scaffolds of BMP-2-binding peptide amphiphile nanofibers for spinal arthrodesis," 4(1) *Advanced Healthcare Materials* 131-41, 2015
- Co-author with M. Conda-Sheridan, A. Preslar, and S. Stupp, "Esterase-activated release of naproxen from supramolecular nanofibers," 50(89) *Chemical Communications*, 2014

- Co-author with B. Huang, S. Stupp et al., "Bone regeneration with low dose BMP-2 amplified by biomimetic supramolecular nanofibers within collagen scaffolds," 34(2) *Biomaterials* 452-9, 2013
- Co-author with Y. Lim, G. Malliaras et al., "Spray-deposited poly(3,4-ethylenedioxythiophene): poly(styrenesulfonate) top electrode for organic solar cells," 93(19) *Applied Physics Letters*, 2008