WILSON SONSINI

Sarah M. Cohen

PATENT AGENT

Patents and Innovations

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FOCUS AREAS

Intellectual Property

Life Sciences

Patents and Innovations

EXPERIENCE

Dr. Sarah M. Cohen is a patent agent in the New York office of Wilson Sonsini Goodrich & Rosati, where she is a member of the patents and innovations practice. Her background includes extensive knowledge in genetics, chemical biology, molecular biology, metabolomics, and analytical chemistry. Sarah applies her experience to patent prosecution, freedom-to-operate, and due diligence matters for clients in the life sciences, pharmaceutical, biotechnology, diagnostics, and medical devices industries.

Prior to joining the firm, Sarah completed her doctorate degree at the California Institute of Technology under the supervision of Professor Paul W. Sternberg. Her dissertation focused on the formation and function of small molecules in nematode worms.

CREDENTIALS

Education

- Ph.D., Biology, California Institute of Technology, 2021
  NSF GRFP Fellow
- B.S., Double Major in Chemistry and Government, Cornell University, 2015
  Magna Cum Laude; Science Editor, Cornell Daily Sun

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author with C.J.J. Wrobel, S.J. Prakash, F.C. Shroeder, and P.W. Sternberg, "Formation and function of dauer ascarosides in the nematodes *Caenorhabditis briggsae and Caenorhabditis elegans*," 12(3) *G3 Genes|Genomes|Genetics*, March 2022
- Co-author with C.M. Chai, W. Chen, W.R. Wong, H. Park, X. Wan, and P.W. Sternberg, "A Conserved Behavioral Role for a Nematode Interneuron Neuropeptide Receptor," *Genetics*, January 4, 2022
- Co-author with C.J.J. Wrobel, J. Yu, P.R. Rodrigues, A.H. Ludewig, B.J. Curtis, B.W. Fox, M.P. O'Donnell, P.W. Sternberg, and F.C. Schroeder, "Combinatorial Assembly of Modular Glucosides via Carboxylesterases Regulates *C. elegans* Starvation Survival," *J Am Chem Soc.*, August 30, 2021
- Co-author with H.H. Le, and P.W. Sternberg, "A Mutation of *lips-6* in *C. elegans*," *MicroPubl Biol.*, July 9, 2021
- Co-author with J.J. Sun, F.C. Schroeder, and P.W. Sternberg, "Transcriptional Response to a Dauer-Inducing Ascaroside Cocktail in Late L1 in *C. elegans*," *MicroPubl Biol.*, May 12, 2021
- Co-author with H.H. Le, C.J. Wrobel, J. Yu, H. Park, M.J. Helf, B.J. Curtis, J.C. Kruempel, P.R. Rodrigues, P.J. Hu, P.W. Sternberg, and F.C. Schroeder, "Modular metabolite assembly

in *Caenorhabditis elegans* depends on carboxylesterases and formation of lysosome-related organelles," *Elife*, October 16, 2020
- Co-author with P. Sternberg, "Genome editing of *Caenorhabditis briggsae* using CRISPR/Cas9 co-conversion marker *dpy-10*," *MicroPubl Biol.*, October 11, 2019
- Co-author with H. Hosokawa, J. Ungerbäck, X. Wang, M. Matsumoto, K.I. Nakayama, T. Tanaka, and E.V. Rothenberg, "Transcription Factor PU.1 Represses and Activates Gene Expression in Early T Cells by Redirecting Partner Transcription Factor Binding," *Immunity*, June 19, 2018
- Co-author with O. Panda, A.E. Akagi, A.B. Artyukhin, J.C. Judkins, H.H. Le, P. Mahanti, P.W. Sternberg, and F.C. Schroeder, "Biosynthesis of Modular Ascarosides in C. elegans," *Angew Chem Int Ed Engl.*, April 18, 2017

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Antibody
- Biochemistry
- Cell biology
- Cellular biology
- Epigenetics
- Genetics
- Genomics
- Host-pathogen interactions
- Immunology
- Metabolomics
- Microbiology
- Molecular biology
- Molecular genetics
- PCR

Therapeutics and Drug Discovery

- CRISPR
- Gene editing
- Gene therapy
- Peptide therapeutics
- Small molecule synthesis
- Small molecules

Chemistry and Material Science

- Chemistry
- Organic chemistry

Genomics and Data Analysis

- Next-generation sequencing
- Sequencing