

## Julia Kennedy-Darling

PATENT AGENT

Patents and  
Innovations  
*Palo Alto*

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### FOCUS AREAS

Patents and Innovations

### EXPERIENCE

Julia Kennedy-Darling is a patent agent in the Palo Alto office of Wilson Sonsini Goodrich & Rosati, where she focuses on patent prosecution and other IP due diligence matters. She has experience in chemical biology, *in vitro* DNA assay development, spatial biology, mass spectrometry, and immunology.

Prior to joining the firm, Julia was the vice president of Innovation at Akoya Biosciences, Inc., where she led new product development efforts. She was one of the inventors of the founding technology and joined the company at its inception. During her time at the company, she helped launch numerous products and initiated multiple new programs.

Julia was a Cancer Research Institute (CRI) postdoctoral fellow in the lab of Garry Nolan at Stanford University's School of Medicine. She focused on new technology developments related to spatial biology as well as various immunology applications. Julia received her Ph.D. in the lab of Lloyd Smith at the University of Wisconsin-Madison and studied mass spectrometry proteomics and DNA capture assays.

### CREDENTIALS

#### Education

- Ph.D., Chemistry, University of Wisconsin-Madison
- B.S., Chemistry, University of Chicago

#### Admissions

- U.S. Patent and Trademark Office

### INSIGHTS

#### Select Publications

- Co-author with S. Bhate, J. Hicky, S. Black, G. Barlow, G. Vasquez, V. Venkatarahaman, N. Samusik, Y. Golstev, C. Schürch, and G. Nolan, "Highly multiplexed tissue imaging using repeated oligonucleotide exchange reaction," 51 *European Journal of Immunology* 1262-1277, 2021
- Co-author with S. Black, D. Phillips, J. Hickey, V. Venkatarahaman, N. Samusik, Y. Goltsev, M. Christian, C. Schürch, and G. Nolan, "CODEX Multiplexed Tissue Imaging with DNA-Conjugated Antibodies," 16(8) *Nature Protocols* 2802-3835, 2021
- Co-author with Y. Goltsev, N. Samusik, S. Bhate, M. Hale, G. Vazquez, S. Black, and G. Nolan, "Deep Profiling of Mouse Splenic Architecture with CODEX Multiplexed Imaging," 174 *Cell* 968-981, 2018
- Co-author with K. Buxton, M. Shortreed, N. Zaidan, M. Olivier, M. Scalf, R. Sridharan, and L. Smith, "Elucidating Protein-DNA Interactions in Human Alphoid Chromatin via Hybridization Capture and Mass Spectrometry," 16(9) *Proteome Research* 3433-3442, 2017

- Lead author with H. Guillen-Ahlers, M. Shortreed, M. Scalf, B. Frey, C. Kendziorski, M. Olivier, A. Gasch, and L. Smith, “Discovery of Chromatin-Associated Proteins via Sequence-Specific Capture and Mass Spectrometric Protein Identification in *Saccharomyces cerevisiae*,” 13(8) *Journal of Proteome Research* 3810-3825, 2014
- Lead author with M. Holden, M. Shortreed, and L. Smith, “Multiplexed Programmable Release of Captured DNA,” 15(16) *ChemBioChem*. 2353-2356, 2014
- Co-author with G. Nolan, N. Samusik, and Y. Goltsev, “Highly-multiplexed fluorescent imaging,” *United States Patent Office*, 2019

## TECHNICAL FLUENCY

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### Biological Sciences and Biotechnology

- Antibody
- Biochemical assays
- Biochemistry
- Bioconjugation
- Biologics
- Cancer biology
- Cell biology
- Cellular biology
- Cellular immunology
- Genomics
- Immuno-oncology
- Immunobiology
- PCR

### Engineering and Technology

- Microfluidics

### Genomics and Data Analysis

- Functional genomics