Jenna Lieberman

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PRACTICE AREAS

Intellectual Property

Patents

EDUCATION

University of Seville, Spain, *cum laude*, Ph.D., Molecular Biology and Biotechnology, 2017

University of Seville, Spain, M.A., Molecular Genetics and Biotechnology, 2011

Pennsylvania State University, B.S., Biology; Spanish, Business Option, 2009

LANGUAGES

Bilingual English/Spanish

Entry-level French

Jenna Lieberman is a bilingual technical specialist in the firm's Intellectual Property practice group. Jenna is a postdoctoral researcher with academic, government and industry experience, and combines aspects of a diverse skillset as a patent specialist, going beyond the bench to further scientific advancement from a different perspective.

Prior to joining Lathrop GPM, Jenna served as a graduate student researcher in the laboratory of Veit Goder and as an instructor, teaching in Spanish, for Genetics II Laboratory Practical while living in Seville, Spain. She was also selected for a highly competitive Ph.D. fellowship from her university, in which she was a researcher, mentor, and collaborator in the laboratory of Felipe CortÉs, investigating a role for sumoylation in TDP2 mediated removal of TOP2cc, and aided in the discovery of a novel proteasome independent pathway, subsequently published in *Science.*

Publications

Wang, Z.*, **Lieberman, J**.*, *et al.* mRNA vaccine-elicited antibodies to SARS-CoV-2 and circulating variants. *Nature* (2021)

Zhao, H., Young, N., Kalchschmidt, J., **Lieberman, J**., *et al.* Structure of mammalian Mediator complex reveals Tail module architecture and interaction with a conserved core. *Nat Commun* **12,** 1355 (2021)

Herrero-Ruiz, A., MartÍnez-GarcÍa, P., TerrÓn-Bautista, J., MillÁn-Zambrano, G., **Lieberman J.A**., Jimeno-GonzÁlez, S,, Cortes-Ledesma, F. Topoisomerase II represses transcription by enforcing promoter-proximal pausing. *Cell Reports*, (2021)

Herrero-Ruiz, A., MartÍnez-GarcÍa, P., TerrÓn-Bautista, J., **Lieberman J.A**., Jimeno-GonzÁlez, S., Cortes-Ledesma, F. Control of RNA polymerase II promoter-proximal pausing by DNA supercoiling. *bioRxiv.* doi: https://doi.org/10.1101/2020.05.12.091058

Schellenberg, M.J., Appel, C.D., Riccio, A.A., Butler, L.R., Krahn, J.M., **Lieberman, J.A.**, et al., Ubiquitin stimulated reversal of topoisomerase 2 DNA-protein crosslinks by TDP2, *Nucleic Acids Research*, Volume 48, Issue 11 (2020)

Schellenberg, M.J.*, **Lieberman, J.A.***, et al., ZATT (ZNF451)-mediated resolution of topoisomerase 2 DNA-protein cross-links. *Science* 357(6358):1412-1416. (2017)

Alvarez QuilÓn, A., Serrano-BenÍtez, A., **Lieberman, J.A**. et al., Quintero, C., SÁnchez- GutiÉrrez, D., Escudero, L.M., CortÉs-Ledesma, F., ATM specifically mediates repair of double strand breaks with blocked DNA ends. *Nat. Commun.* 4347 (2014)

Community Involvement

- NIH Virtual Postbac Poster Day, Volunteer judge 2021-2022

Honors

- 2021 NIH Director's Award, December 2021
- Awarded Intramural AIDS Research Fellowship (IARF), October 2021
- FARE 2022 Competition, Winner, June 2021
- NIAMS Three Minute Talk Competition, Winner, May 2021