ArentFox Schiff LLP
Attorneys

Andriele Eichner

Technical Specialist

Andriele is a Technical Specialist in ArentFox Schiff’s New York office.

- Industries
  Life Sciences
- Practices
  Patent
- Education
  Universidade Paulista, Pharmacology, 2010
  City University of New York, MS, Pharmaceutical Sciences, 2018
  CUNY Graduate Center, MS, Biochemistry, 2022
  CUNY Graduate Center, PhD, Biochemistry, 2024

- Offices
  New York
- Phone
  212.457.5547
- Email
  andriele.eichner@afslaw.com

Ms. Eichner is a technical specialist in the New York office. She has a unique blend of expertise in biochemistry, computational biology, and pharmaceutical sciences. Before joining the firm, she conducted extensive research in the field of structural biology, earning a master's degree in Biochemistry, and a second master's degree in Pharmaceutical Sciences. She also completed an internship with the U.S. Food and Drug Administration (FDA), where she gained substantial knowledge of the pharmaceutical industry.

She earned her Ph.D. in Biochemistry from the CUNY Graduate Center, where she developed a deep understanding of the complex workings of biological systems. Her research focused on protein-protein interactions within the cell cycle, particularly in cancer-related proteins, using bioinformatic tools and molecular dynamics simulations to predict protein structures and study their interactions with other macromolecules. Her findings have been presented at various scientific conferences, both nationally and internationally, and published in reputable journals.

Publications and Presentations

Publications

- Eichner, A. (2024). *Protein-protein interactions in cell cycle proteins: An In Silico Investigation of Two Important Players.* CUNY Academic Works.
- Eichner, A., Singh, S., & Semchenkov, I. (2024). *In silico investigation predicts novel NEK10 interactions.* PROTEINS: Structure, Function, and Bioinformatics (in process).
- Power, K. M., Nguyen, K. C., Silva, A., Singh, S., Hall, D. H., Rongo, C., & Barr, M. M. (2024). *NEKL-4 regulates microtubule stability and mitochondrial health in ciliated neurons.* Journal of Cell Biology, 223(9). https://doi.org/10.1083/jcb.202402006
- Philip, J., Örd, M., Silva, A., Singh, S., Diffley, J. F., Remus, D., Loog, M., & Ikui, A. E. (2022). *Cdc6 is sequentially regulated by PP2A-Cdc55, Cdc14, and Sic1 for origin licensing in S. cerevisiae.* eLife, 11. https://doi.org/10.7554/elife.74437

- Barreto, C., Silva, A., Wiech, E. M., López, A. C., San, A., & Singh, S. (2021). *Proteomic tools for the analysis of cytoskeleton proteins.* Methods in Molecular Biology, pp. 363–425. https://doi.org/10.1007/978-1-0716-1661-1_19

Presentations

- Silva, A. and Singh, S. Computational Analysis of the NEK Family of Proteins Reveals Unique Structural Features and Interactions with Other Cancer-Related Proteins, American Association for Cancer Research, April 2020.
- Silva, A. and Singh, S. A family-wide computational analysis of the catalytic domains of the Never-in-mitosis A-like (NEK) protein kinases, The American Society for Cell Biology, December 2020.
- Silva, A. and Singh, S. Computational analysis of the NEK family of proteins reveals unique structural features and interactions with other cancer-related proteins, American Association for Cancer Research, April 2021.
- Silva, A. and Singh, S. Computational analysis of the NEK family of proteins reveals unique structural features and interactions with other cancer-related proteins, American Society for Biochemistry and Molecular Biology, May 2021.
- Silva, A., Philip, J., Singh, S., and Ikui, A. In-silico analysis of Cdc6, Cdc4 and Clb2 protein-protein interactions during cell cycle. Eukaryotic DNA replication & genome maintenance. Cold Spring Harbor Laboratory, September 2021.