CHOATE

Mandeep Kaur, PhD

Associate

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Dr. Mandeep Kaur draws on her extensive scientific experience in immuno-oncology, personalized medicine, and an interest in product commercialization to assist Choate's life sciences clients in patent prosecution, portfolio management, and diligence.

Dr. Kaur was a postdoctoral associate in the laboratory of Professor Jianzhu Chen at the Koch Institute for Integrative Cancer Research (MIT), where she focused on the development of humanized mice and neo-antigen CAR-T therapy for AML. While pursuing her PhD at Dartmouth, Dr. Kaur conducted research in the laboratory of Professor Michael Cole. Her PhD research focused on understanding the mechanisms of gene regulation by the oncogene c-Myc and providing insights into novel repression and transactivation mechanisms. Also at Dartmouth, Dr. Kaur was a research assistant in the laboratory of Dr. Yolanda Sanchez, where she performed research on cell cycle regulation in yeast and mammalian systems. She is a Koch Institute Quinquennial Fellow and an IMPACT Fellow (MIT).

PRACTICE AREAS

Intellectual Property Protection

Life Sciences

PUBLICATIONS AND PRESENTATIONS

- "Induction and Therapeutic Targeting of Human NPM1c+ Myeloid Leukemia in the Presence of Autologous Immune System in Mice," *first author*, *Journal of Immunology,* 202(6), February, 2019.
- "Information-dense analysis for information-dense understanding," *co-first author*, *Translational Cancer Research*, 5(6), November, 2016.
- "Interleukins 7 and 15 Maintain Human T Cell Function Through STAT5 Signaling," *co-author*, *PloS One*, 11(11), November, 2016.
- "Myc acts via the PTEN tumor suppressor to elicit autoregulation and genome-wide gene repression by activation of the Ezh2 methyltransferase," *first author*, *Cancer Research*.

EDUCATION

Suffolk University Law School
JD, 2022

Dartmouth College
PhD, 2013, *Cancer Biology*

State University of New York at Buffalo
BS, 2015, *summa cum laude*, *Biochemistry*

ADMISSIONS

Massachusetts

United States Patent and Trademark Office

- "Myc post-transcriptionally induces Hif1 protein and target gene expression in normal and cancer cells," *co-author*, *Cancer Research*, 72(4).

PROFESSIONAL AND COMMUNITY INVOLVEMENT

- Member of the Boston Patent Law Association (2016 – present)
- Associate Member of the American Association for Cancer Research (2015 – 2017)
- Licentiate of the Trinity College of London, Solo Piano Performance (2000)