

Hunter College of the City University of New York
Department of Biological Sciences
Spring 2023 Inga Richter Seminar Series

Omar Abdel-Wahab, MD
Chair, Molecular Pharmacology
MSKCC



Understanding & Targeting Altered RNA Splicing in Cancer

The Abdel-Wahab lab focuses on understanding and targeting the somatic mutations driving hematologic malignancies. Given the frequent identification of somatic mutations in genes encoding regulators of transcription in leukemia and lymphoma, they are especially interested in understanding the functional implication of mutations in spliceosomal proteins and epigenetic regulators in hematologic malignancies. Several areas of current investigation in the lab include:

- Functional understanding of the effect of mutations in spliceosomal proteins in myelodysplastic syndromes and chronic lymphocytic leukemia
- Investigation of therapeutic approaches for selective targeting of spliceosomal mutant cancers
- Understanding the role of the Addition of Sex Combs Like gene family (ASXL1 and ASXL2) in normal and malignant hematopoiesis
- Characterizing the epigenome of chronic lymphocytic leukemia
- Translational studies in MAP kinase mutant hematopoietic malignancies including hairy cell leukemia, systemic histiocytic neoplasms, and other leukemias and lymphomas bearing activating mutations in the MAP kinase pathway

Monday, April 17, 2023 @12:30pm (Hybrid)
Hunter North Room 926

Host: Andy Wolfe

Zoom: <https://us02web.zoom.us/j/87388593181?pwd=ZkFFclRFM2MydDlIQ0VTQlZNckx6UT09>