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Omar Abdel-Wahab, MD
Chair, Molecular Pharmacology Program, SKI; Attending Physician, Leukemia Service

Omar Abdel-Wahab is the Chair of SKI Molecular Pharmacology Program and an Attending Physician on the Leukemia Service in the Department of Medicine at Memorial Sloan Kettering Cancer Center.

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Publications Highlights

[Montoya S, Bourcier J, Noviski M, Lu H, Thompson MC, Chirino A, Jahn J, Sondhi AK, Gajewski S, Tan YSM, Yung S, Urban A, Wang E, Han C, Mi X, Kim WJ, Sievers Q, Auger P, Bousquet H, Brathaban N, Bravo B, Gessner M, Guiducci C, Iuliano JN, Kane T, Mukerji R, Reddy PJ, Powers J, Sanchez Garcia de Los Rios M, Ye J, Barrientos Risso C, Tsai D, Pardo G, Notti RQ, Pardo A, Affer M, Nawaratne V, Totiger TM, Pena-Velasquez C, Rhodes JM, Zelenetz AD, Alencar A, Roeker LE, Mehta S, Garippa R, Linley A, Soni RK, Skånland SS, Brown RJ, Mato AR, Hansen GM \(co-corresponding\), Abdel-Wahab O \(co-corresponding\), Taylor J \(co-corresponding\). Kinase-impaired BTK mutations are susceptible to clinical-stage BTK and IKZF1/3 degrader NX-2127. *Science*. 2024 Feb 2;383\(6682\):ead5798. doi: 10.1126/science.adi5798. Epub 2024 Feb 2. PMID: 38301010.](#)

[Knorr K, Rahman J, Erickson C, Wang E, Monetti M, Li Z, Ortiz-Pacheco J, Jones A, Lu SX, Stanley RF, Baez M, Fox N, Castro C, Marino AE, Jiang C, Penson A, Hogg SJ, Mi X, Nakajima H, Kunitomo H, Nishimura K, Inoue D, Greenbaum B, Knorr D, Ravetch J \(co-corresponding\), Abdel-Wahab O \(co-corresponding\). Systematic evaluation of AML-associated antigens identifies anti-U5 SNRNP200 therapeutic antibodies for the treatment of acute myeloid leukemia. *Nat Cancer*. 2023 Oct 23. doi: 10.1038/s43018-023-00656-2. Epub ahead of print. PMID: 37872381.](#)

[Mi X, Penson A, Abdel-Wahab O, Mailankody S. Genetic Basis of Relapse after GPRC5D-Targeted CAR T Cells. *N Engl J Med*. 2023 Oct 12;389\(15\):1435-1437. doi: 10.1056/NEJMc2308544. PMID: 37819961.](#)

[Wang E, Pineda JMB, Kim WJ, Chen S, Bourcier J, Stahl M, Hogg SJ, Bewersdorf JP, Han C, Singer ME, Cui D, Erickson CE, Tittley SM, Penson AV, Knorr K, Stanley RF, Rahman J, Krishnamoorthy G, Fagin JA, Creger E, McMillan E, Mak CC, Jarvis M, Bossard C, Beaupre DM, Bradley RK, Wang E, Pineda JMB, Kim WJ, Chen S, Bourcier J, Stahl M, Hogg SJ, Bewersdorf JP, Han C, Singer ME, Cui D, Erickson CE, Tittley SM, Penson AV, Knorr K, Stanley RF, Rahman J, Krishnamoorthy G, Fagin JA, Creger E, McMillan E, Mak CC, Jarvis M, Bossard C, Beaupre DM, Bradley RK \(co-corresponding\), Abdel-Wahab O \(co-corresponding\). Modulation of RNA splicing enhances response to BCL2 inhibition in leukemia. *Cancer Cell*. 2023 Jan 9;41\(1\):164-180.e8. doi: 10.1016/j.ccell.2022.12.002. Epub 2022 Dec 22. PMID: 36563682; PMCID: PMC9839614.](#)

[Chen S, Vedula RS, Cuevas-Navarro A, Lu B, Hogg SJ, Wang E, Benbarche S, Knorr K, Kim WJ, Stanley RF, Cho H, Erickson C, Singer M, Cui D, Tittley S, Durham BH, Pavletich TS, Fiala E, Walsh MF, Inoue D, Monette S, Taylor J, Rosen N, McCormick F, Lindsley RC, Castel P, Abdel-Wahab O. Impaired Proteolysis of Noncanonical RAS Proteins Drives Clonal Hematopoietic Transformation. *Cancer Discov.* 2022 Oct 5;12\(10\):2434-2453. doi: 10.1158/2159-8290.CD-21-1631. PMID: 35904492;](#)

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People




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Physician-scientist Omar Abdel-Wahab studies the functional genomics of hematopoietic malignancies.

MD, Duke University School of Medicine

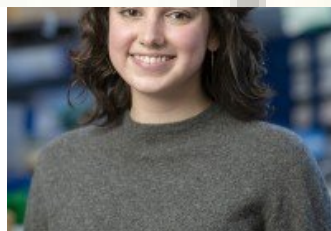
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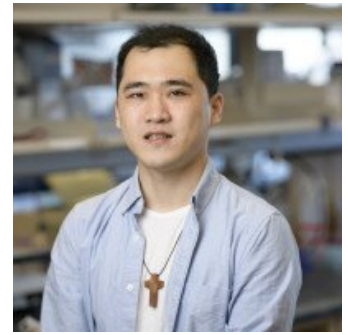
Fox

Research Technician

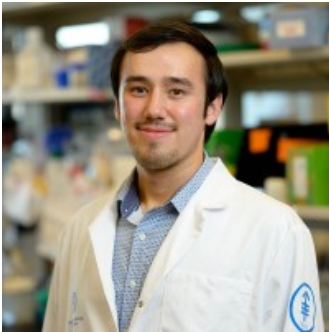


Takeshi Fujino

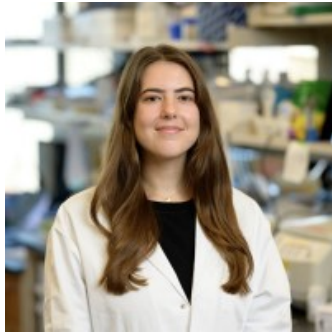
Research Fellow



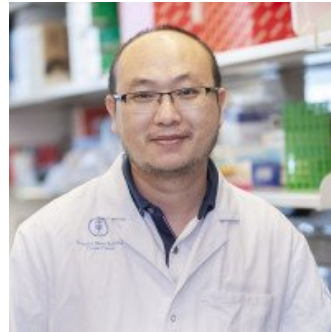
Won Kim
Graduate Student



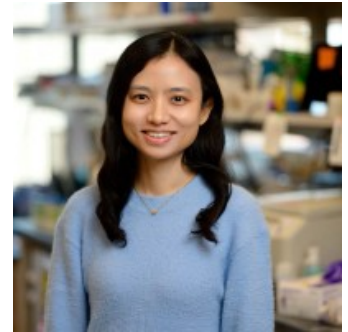
Alex Lewis
Research Technician



Jennifer Lewis
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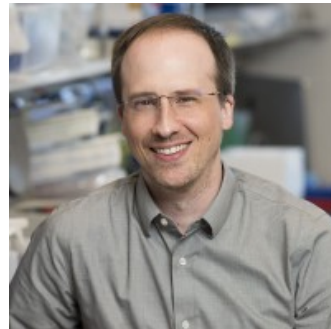


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Jahan Rahman
Computational Biologist II

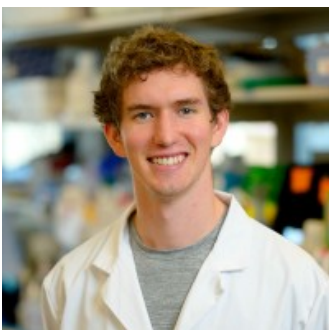
Erich Sabio
Senior Research Scientist



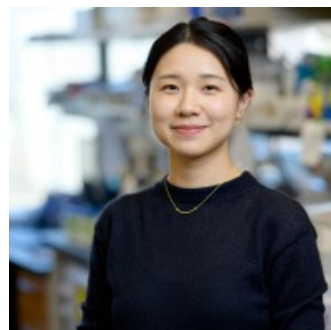
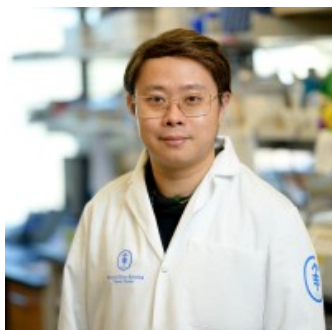
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