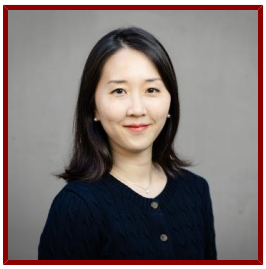
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Publications

PUBLICATIONS

- **Mesenchymal stem cells in ribosomal insufficiency lead to aberrant osteoblastic differentiation and altered hematopoiesis.** *Haematologica*
  Kim, H. N., Viduya, J., Shibuya, A., Wilkes, M., Mark, K., Liu, Y. L., Shyr, D. C., Suchy, F., Frankhouser, D., Valine, L., Goyal, A., Glader, B. E., Weinberg, et al
  2026

- **Aberrant cell cycle regulation and osteoblastic differentiation in diamond-blackfan anemia (DBA) mesenchymal stem cells**
  Kim, H., Viduya, J., Youm, J., Mark, K., Liu, L., Suchy, F., Nakauchi, H., Shyr, D., Goyal, A., Glader, B., Wu, J. Y., Sakamoto, K.
  ELSEVIER.2025: 747-748

- **Inflammatory Pathways and the Bone Marrow Microenvironment in Inherited Bone Marrow Failure Syndromes.** *Stem cells (Dayton, Ohio)*
  Neoman, N., Kim, H. N., Viduya, J., Goyal, A., Liu, Y. L., Sakamoto, K. M.
  2025

- **Activation of Nemo-like Kinase in Diamond Blackfan Anemia suppresses early erythropoiesis by preventing mitochondrial biogenesis.** *The Journal of biological chemistry*
  Wilkes, M. C., Shibuya, A., Liu, Y. L., Mark, K., Mercado, J., Saxena, M., Sathianathen, R. S., Kim, H. N., Glader, B., Kenny, P., Sakamoto, K. M.
  2024: 107542

- **Altered physical phenotypes of leukemia cells that survive chemotherapy treatment** *INTEGRATIVE BIOLOGY*
  Ly, C., Ogana, H., Kim, H., Hurwitz, S., Deeds, E. J., Kim, Y., Rowat, A. C.
  2023; 15

- **PI3K Targeting in Non-solid Cancer** *PI3K AND AKT ISOFORMS IN IMMUNITY*
  Kim, H., Ogana, H., Sanchez, V., Nichols, C., Kim, Y.
  edited by Dominguez-Villar, M.
  2022; 436: 393-407

- **In vitro and in vivo effects of AVA4746, a novel competitive antagonist of the ligand binding of VLA-4, in B-cell acute lymphoblastic leukemia** *EXPERIMENTAL AND THERAPEUTIC MEDICINE*
  Ruan, Y., Kim, H., Ogana, H. A., Gang, E., Li, S., Liu, H., Bhojwani, D., Wayne, A. S., Yang, M., Kim, Y.
  2022; 23 (1): 47

- **Preclinical Evaluation of a Novel Dual Targeting PI3Kδ/BRD4 Inhibitor, SF2535, in B-Cell Acute Lymphoblastic Leukemia** *FRONTIERS IN ONCOLOGY*
  Ruan, Y., Kim, H., Ogana, H. A., Wan, Z., Hurwitz, S., Nichols, C., Abdel-Azim, N., Coba, A., Seo, S., Loh, Y., Gang, E., Abdel-Azim, H., Hsieh, et al

2021; 11: 766888

- **Potentially Curative Therapeutic Activity of NEO212, a Perillyl Alcohol-Temozolomide Conjugate, in Preclinical Cytarabine-Resistant Models of Acute Myeloid Leukemia** *CANCERS*
  Schonthal, A. H., Swenson, S., Minea, R. O., Kim, H., Cho, H., Mohseni, N., Kim, Y., Chen, T. C.
  2021; 13 (14)

- **Wnt Signaling in the Tumor Microenvironment** *TUMOR MICROENVIRONMENT: SIGNALING PATHWAYS, PT B*
  Ruan, Y., Ogana, H., Gang, E., Kim, H., Kim, Y.
  edited by Birbrair, A.
  2021; 1270: 107-121

- **Cadherins, Selectins, and Integrins in CAM-DR in Leukemia** *FRONTIERS IN ONCOLOGY*
  Kim, H., Ruan, Y., Ogana, H., Kim, Y.
  2020; 10: 592733

- **Wnt Signaling in Leukemia and Its Bone Marrow Microenvironment** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Ruan, Y., Kim, H., Ogana, H., Kim, Y.
  2020; 21 (17)

- **Integrin α6 mediates the drug resistance of acute lymphoblastic B-cell leukemia** *BLOOD*
  Gang, E., Kim, H., Hsieh, Y., Ruan, Y., Ogana, H. A., Lee, S., Pham, J., Geng, H., Park, E., Klemm, L., Willman, C. L., Carroll, W. L., Mittelman, et al
  2020; 136 (2): 210-223

- **Characterizing the Motility of Chemotherapeutics-Treated Acute Lymphoblastic Leukemia Cells by Time-Lapse Imaging** *CELLS*
  Liu, H., Gang, E., Kim, H., Ruan, Y., Ogana, H., Wan, Z., Boenig, H., Shung, K., Kim, Y.
  2020; 9 (6)

- **CAR T-cells that target acute B-lineage leukemia irrespective of CD19 expression** *LEUKEMIA*
  Fousek, K., Watanabe, J., Joseph, S. K., George, A., An, X., Byrd, T. T., Morris, J. S., Luong, A., Martinez-Paniagua, M. A., Sanber, K., Navai, S. A., Gad, A. Z., Salsman, et al
  2021; 35 (1): 75-89

- **Minimal Residual Disease Detection in Acute Lymphoblastic Leukemia** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Kruse, A., Abdel-Azim, N., Kim, H., Ruan, Y., Phan, V., Ogana, H., Wang, W., Lee, R., Gang, E., Khazal, S., Kim, Y.
  2020; 21 (3)

- **Integrin Antibody Decreases Deformability of Patient-Derived Pre-B Acute Lymphocytic Leukemia Cells as Measured by High-Frequency Acoustic Tweezers** *JOURNAL OF ULTRASOUND IN MEDICINE*
  Liu, H., Gang, E., Kim, H., Abdel-Azim, N., Chen, R., Abdel-Azim, H., Shung, K., Kim, Y.
  2020; 39 (3): 589-595

- **Relapse-associated AURKB blunts the glucocorticoid sensitivity of B cell acute lymphoblastic leukemia** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Poulard, C., Kim, H., Fang, M., Kruth, K., Gagnieux, C., Gerke, D. S., Bhojwani, D., Kim, Y., Kampmann, M., Stallcup, M. R., Pufall, M. A.
  2019; 116 (8): 3052-3061

- **Targeting PI3K Signaling in Acute Lymphoblastic Leukemia** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
  Sanchez, V., Nichols, C., Kim, H., Gang, E., Kim, Y.
  2019; 20 (2)

- **Characterizing Deformability of Drug Resistant Patient-Derived Acute Lymphoblastic Leukemia (ALL) Cells Using Acoustic Tweezers** *SCIENTIFIC REPORTS*
  Liu, H., Gang, E., Kim, H., Lim, H., Jung, H., Chen, R., Abdel-Azim, H., Shung, K., Kim, Y.
  2018; 8: 15708

- **Effects of CD49d-targeted antisense-oligonucleotide on α4 integrin expression and function of acute lymphoblastic leukemia cells: Results of in vitro and in vivo studies** *PLOS ONE*
  Duchartre, Y., Bachl, S., Kim, H., Gang, E., Lee, S., Liu, H., Shung, K., Xu, R., Kruse, A., Tachas, G., Bonig, H., Kim, Y.
  2017; 12 (11): e0187684

- **The PI3Kδ Inhibitor Idelalisib Inhibits Homing in an in Vitro and in Vivo Model of B ALL** *CANCERS*
  Adam, E., Kim, H., Gang, E., Schnair, C., Lee, S., Lee, S., Khazal, S., Kosoyan, O., Konopleva, M., Parekh, C., Bhojwani, D., Wayne, A. S., Abdel-Azim, et al
  2017; 9 (9)