



Cailin Collins, MD PhD

- Postdoctoral Medical Fellow, Hematology
- Fellow in Medicine

Bio

BIO

Received her undergraduate degree from Williams College, after which she spent one year conducting research at the NIH National Cancer Institute. She then attended medical school at the University of Michigan, where she also completed a PhD in Molecular and Cellular Pathology as part of the Medical Scientist Training Program. She completed residency at UCSF prior to starting Hematology and Oncology fellowship training at Stanford. Her prior research has focused on the transcription factor biology and deregulated signaling pathways in hematologic malignancies. She is currently a postdoctoral fellow in Dr. Ravi Majeti's lab studying clonal hematopoiesis and preleukemic stem cells.

CLINICAL FOCUS

- Malignant Hematology
- Clonal Hematopoiesis
- Fellow

Publications

PUBLICATIONS

- **Engineering Sequential Mutations into Human HSPCs Yields an Aggressive Myeloid Malignancy Allowing for Interrogation of Preleukemic Transformation**
Collins, C. T., Nakauchi, Y., Koehnke, T., Chavez, J. S., Choi, S., Sharma, R., Zhao, F., Majeti, R.
AMER SOC HEMATOLOGY.2023
- **BCOR Loss Confers Increased Stemness and Partially Rescues RUNX1-Deficient Phenotypes in Human Hematopoietic Stem and Progenitor Cells**
Jackson, K. K., Fan, A. C., Karigane, D., Zhao, F., Collins, C. T., Nakauchi, Y., Kayamori, K., Rangavajhula, A. S., Koehnke, T., Majeti, R.
AMER SOC HEMATOLOGY.2023
- **Gene Correction of DNMT3A:R882H in Primary Human AML Demonstrates That This Mutation Is Not Required for Disease Maintenance, but Is Associated with Increased Leukemia Stem Cell Frequency**
Koehnke, T., Karigane, D., Hilgart, E., Kayamori, K., Fan, A. C., Collins, C. T., Suchy, F. P., Rangavajhula, A. S., Feng, Y., Nakauchi, Y., Martinez-Montes, E., Koldobskiy, M., Feinberg, et al
AMER SOC HEMATOLOGY.2023
- **Gilteritinib Clinical Activity in Relapsed/Refractory FLT3 Mutated AML Previously Treated with FLT3 inhibitors.** *American journal of hematology*
Numan, Y., Abdel Rahman, Z., Grenet, J., Boisclair, S., Bewersdorf, J. P., Collins, C., Barth, D., Fraga, M., Bixby, D. L., Zeidan, A. M., Yilmaz, M., Desai, P., Mannis, et al
2022
- **Deregulation of the HOXA9/MEIS1 axis in acute leukemia** *CURRENT OPINION IN HEMATOLOGY*
Collins, C. T., Hess, J. L.

2016; 23 (4): 354-361

- **Characterization of the Molecular Interplay Between HOXA9 and Ogt in Leukemia**

Rual, J. M., Xu, T., Collins, C., Zhang, H., Wang, J., Kuick, R., Bronstein, J., Basrur, V., Park, S., Ha, K., Chen, L., Elenitoba-Johnson, K. J., Muntean, et al
AMER SOC HEMATOLOGY.2014

- **C/EBP alpha is an essential collaborator in Hoxa9/Meis1-mediated leukemogenesis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Collins, C., Wang, J., Miao, H., Bronstein, J., Nower, H., Xu, T., Figueroa, M., Muntean, A. G., Hess, J. L.
2014; 111 (27): 9899-9904

- **Mechanisms of Transcriptional Regulation and Transformation by HOXA9**

Hess, J. L., Collins, C., Bronstein, J., Sun, Y., Nagaraja, S.
AMER SOC HEMATOLOGY.2012

- **Identification and characterization of Hoxa9 binding sites in hematopoietic cells** *BLOOD*

Huang, Y., Sitwala, K., Bronstein, J., Sanders, D., Dandekar, M., Collins, C., Robertson, G., MacDonald, J., Cezard, T., Bilenky, M., Thiessen, N., Zhao, Y., Zeng, et al
2012; 119 (2): 388-398