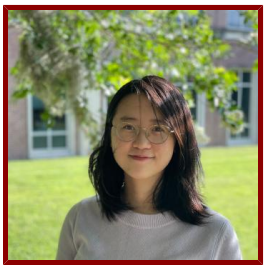
Stanford



Yang Feng

Postdoctoral Scholar, Stem Cell Biology and Regenerative Medicine

Bio

HONORS AND AWARDS

- Best Poster Award, Stanford ISCBRM Scientific Retreat (09/2024)
- Translational Research and Applied Medicine Pilot Grant - Competitive Renewal, Stanford Medicine (09/01/2024)
- Translational Research and Applied Medicine Pilot Grant, Stanford Medicine (09/01/2023)
- The Best of the Year Award, Jounal of Experimental Medicine (2023)
- ASH Abstract Achievement Award, ASH (2020)
- Outstanding Achievement Award, University of Florida (11/17/2020)
- Predoctoral Award, University of Florida Health Cancer Center (10/2020)
- Grinter Fellowship, University of Florida (2017-2020)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Florida (2022)
- Bachelor of Science, Unlisted School (2015)
- Master of Science, Georgetown University (2016)
- MS, Georgetown University , Pharmacology (2016)
- PhD, University of Florida , Biomedical Science (2022)

Research & Scholarship

LAB AFFILIATIONS

- Ravindra Majeti (9/1/2022)

Publications

PUBLICATIONS

- **DNMT3A R882H Is Not Required for Disease Maintenance in Primary Human AML, but Is Associated With Increased Leukemia Stem Cell Frequency.** *Cancer discovery*

  Köhnke, T., Karigane, D., Hilgart, E., Fan, A. C., Kayamori, K., Miyauchi, M., Collins, C. T., Suchy, F. P., Rangavajhula, A., Feng, Y., Nakauchi, Y., Martinez-Montes, E., Fowler, et al

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- **Inhibition of DOCK1 prevents the clonal expansion of high-risk TP53-mutant clonal hematopoiesis induced by genotoxic stressors**

  Feng, Y., Koehnke, T., Patrick, B., Benard, B., Kayamori, K., Heaton, E., Collins, C., Chavez, J., Zhang, T., Gentles, A., Majeti, R.

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- **Optimized Mouse Model to Induce Colitis-Associated Colon Cancer using Azoxymethane and Dextran Sulfate Sodium for Tumor Immunology and Therapy Studies.** *Journal of visualized experiments : JoVE*
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- **DNMT3AR882H Is Not Required for Disease Maintenance in Primary Human AML, but Is Associated With Increased Leukemia Stem Cell Frequency.** *bioRxiv : the preprint server for biology*
  Köhnke, T., Karigane, D., Hilgart, E., Fan, A. C., Kayamori, K., Miyauchi, M., Collins, C. T., Suchy, F. P., Rangavajhula, A., Feng, Y., Nakauchi, Y., Martinez-Montes, E., Fowler, et al
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- **A New Era of Functional Experimentation in Human Hematopoiesis and Leukemia Research.** *Experimental hematology*
  Köhnke, T., Feng, Y., Majeti, R.
  2024: 104652

- **IDH1-Mutant Preleukemic Hematopoietic Stem Cells Can Be Eliminated by Inhibition of Oxidative Phosphorylation.** *Blood cancer discovery*
  Landberg, N., Köhnke, T., Feng, Y., Nakauchi, Y., Fan, A. C., Linde, M. H., Karigane, D., Lim, K., Sinha, R., Malcovati, L., Thomas, D., Majeti, R.
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- **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

- **Hematopoietic-specific heterozygous loss of Dnmt3a exacerbates colitis-associated colon cancer.** *The Journal of experimental medicine*
  Feng, Y., Yuan, Q., Newsome, R. C., Robinson, T., Bowman, R. L., Zuniga, A. N., Hall, K. N., Bernsten, C. M., Shabashvili, D. E., Krajcik, K. I., Gunaratne, C., Zaroogian, Z. J., Venugopal, et al
  2023; 220 (11)

- **miR-196b-TLR7/8 Signaling Axis Regulates Innate Immune Signaling and Myeloid Maturation in DNMT3A-Mutant AML** *CLINICAL CANCER RESEARCH*
  Gamlen, H. A., Romer-Seibert, J. S., Lawler, M. E., Versace, A. M., Goetz, M. L., Feng, Y., Guryanova, O. A., Palmisiano, N., Meyer, S. E.
  2022; 28 (20): 4574-4586

- **Combination strategies to promote sensitivity to cytarabine-induced replication stress in acute myeloid leukemia with and without DNMT3A mutations** *EXPERIMENTAL HEMATOLOGY*
  Shabashvili, D. E., Feng, Y., Kaur, P., Venugopal, K., Guryanova, O. A.
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- **DNMT3A Harboring Leukemia-Associated Mutations Directs Sensitivity to DNA Damage at Replication Forks** *CLINICAL CANCER RESEARCH*
  Venugopal, K., Feng, Y., Nowialis, P., Xu, H., Shabashvili, D. E., Berntsen, C. M., Kaur, P., Krajcik, K., Taragjini, C., Zaroogian, Z., Roman, H., Posada, L. M., Gunaratne, et al
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- **Dnmt3a Mutations in the Hematopoietic System Promote Colitis-Associated Colon Cancer: A Model of Clonal Hematopoiesis in Solid Tumors**
  Feng, Y., Newsome, R., Robinson, T., Bowman, R. L., Zuniga, A., Hall, K., Bernsten, C., Shabashvili, D., Krajcik, K., Gunaratne, C., Zaroogian, Z., Venugopal, K., Roman, et al
  ELSEVIER.2021

- **DNMT3A with Leukemia-Associated R882 Mutations Promotes Fitness Advantage through Functional Heterogeneity within HSCs**
  Zaroogian, Z., Gunaratne, C., Shabashvili, D., Berntsen, C., Feng, Y., Venugopal, K., Pondugula, S., Guryanova, O. A.
  ELSEVIER.2021

- **HOXBLINC long non-coding RNA activation promotes leukemogenesis in NPM1-mutant acute myeloid leukemia** *NATURE COMMUNICATIONS*
  Zhu, G., Luo, H., Feng, Y., Guryanova, O. A., Xu, J., Chen, S., Lai, Q., Sharma, A., Xu, B., Zhao, Z., Feng, R., Ni, H., Claxton, et al
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- **DNMT3A alterations associated with myeloid malignancies dictate differential responses to hypomethylating agents** *LEUKEMIA RESEARCH*
  Roman, H., Venugopal, K., Feng, Y., Shabashvili, D. E., Posada, L. M., Li, J., Guryanova, O. A.
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  Venugopal, K., Shabashvili, D. E., Li, J., Posada, L. M., Bennett, R., Feng, Y., Richer, D., Riva, A., Pondugula, S., Bird, J. E., Licht, J. D., Guryanova, O. A.
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- **Inhibition of Polo-like kinase 2 ameliorates pathogenesis in Alzheimer's disease model mice** *PLOS ONE*
  Lee, J., Lee, Y., Andre, E. A., Lee, K., Thien Nguyen, Feng, Y., Jia, N., Harris, B. T., Burns, M. P., Pak, D. T. S.
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- **Kappa opioid receptors regulate hippocampal synaptic homeostasis and epileptogenesis** *EPILEPSIA*
  Queenan, B. N., Dunn, R. L., Santos, V. R., Feng, Y., Huizenga, M. N., Hammack, R. J., Vicini, S., Forcelli, P. A., Pak, D. T. S.
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