



## Matthew Frank

Assistant Professor of Medicine (Blood and Marrow Transplantation and Cellular Therapy)

Medicine - Blood & Marrow Transplantation

### CLINICAL OFFICE (PRIMARY)

- **Blood and Marrow Transplant Program**

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### Bio

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#### BIO

Dr. Matthew Frank, MD, PhD, is an Assistant Professor of Medicine in the Division of Blood and Marrow Transplantation and Cellular Therapy at Stanford University.

Dr. Frank predominantly cares for patients with high-risk lymphoma and other blood cancers. He is a lead investigator of clinical trials evaluating the safety and effectiveness of cancer treatments called chimeric antigen receptor (CAR) T therapy for patients with lymphomas and leukemias. Dr. Frank's research focuses on developing methods to identify patients who are at high risk for relapse or developing side-effects after receiving CAR T therapy and to understand why these relapses and side-effects occur.

#### CLINICAL FOCUS

- Medical Oncology

#### ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Medicine - Blood & Marrow Transplantation
- Member, Stanford Cancer Institute

#### PROFESSIONAL EDUCATION

- Fellowship: Stanford University Bone Marrow Transplant Fellowship (2019) CA
- Fellowship: Stanford University Hematology and Oncology Fellowship (2018) CA
- Board Certification: Medical Oncology, American Board of Internal Medicine (2017)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2014)
- Residency: Beth Israel Deaconess Medical Center Internal Medicine Residency (2013) MA
- Medical Education: UCLA David Geffen School Of Medicine Registrar (2011) CA
- PhD, Department of Pathology and Laboratory Medicine at UCLA , Cellular and Molecular Pathology (2009)
- BS, Massachusetts Institute of Technology , Electrical Engineering (2003)

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## Research & Scholarship

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### CLINICAL TRIALS

- A Phase 2 Study of CRG-022 in Patients With Relapsed/Refractory Large B-cell Lymphoma, Recruiting
- Autologous CD22 Chimeric Antigen Receptor (CAR) T Cells in w/Recurrent/Refractory B Cell Lymphomas, Recruiting
- B7-H3 Chimeric Antigen Receptor T Cells (B7-H3CART) in Recurrent Glioblastoma Multiforme, Recruiting
- Evaluate Safety of Axicabtagene Ciloleucl Reinfusion (Axi-Cel-2) in Patients With Relapsed and/or Refractory Second Line High-Risk Non-Hodgkin Lymphoma After Standard of Care Axi-Cel, Recruiting
- Safety of Myeloablative Conditioning, Orca-T, and Allogeneic, Donor-Derived CD19/CD22-CAR (Chimeric Antigen Receptor) T Cells in Adults With B-cell Acute Lymphoblastic Leukemia (ALL), Recruiting
- Study of Axicabtagene Ciloleucl Versus Standard of Care Therapy in Participants With Relapsed/Refractory Follicular Lymphoma, Recruiting
- Autologous CD22 CAR T Cells in Adults w/ Recurrent or Refractory B Cell Malignancies, Not Recruiting
- CD19/CD22 Chimeric Antigen Receptor (CAR) T Cells With or Without NKTR-255 in Adults With Recurrent or Refractory B Cell Malignancies, Not Recruiting
- Long-term Cognitive, Neuropsychiatric and Functional Outcomes in Adults Who Have Received Chimeric Antigen-Receptor T-Cell (CAR-T) Therapy for Aggressive Lymphoma at Stanford, Not Recruiting

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## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Anne Marijn Kramer

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## Publications

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### PUBLICATIONS

- **Immune Effector Cell associated Hemophagocytic Lymphohistiocytosis-like Syndrome (IEC-HS).** *Transplantation and cellular therapy*  
Hines, M. R., Knight, T. E., Mc Nerney, K. O., Leick, M. B., Jain, T., Ahmed, S., Frigault, M. J., Hill, J. A., Jain, M. D., Johnson, W. T., Lin, Y., Mahadeo, K. M., Maron, et al  
2023
- **Determinants of resistance to engineered T cell therapies targeting CD19 in large B cell lymphomas.** *Cancer cell*  
Sworder, B. J., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N., Garofalo, A., Macaulay, C. W., Shahrokh Esfahani, M., Olsen, M. N., Hamilton, J., Hosoya, H., Hamilton, M., Spiegel, et al  
2022
- **CD22-CAR T-Cell Therapy Mediates High Durable Remission Rates in Adults with Large B-Cell Lymphoma Who Have Relapsed after CD19-CAR T-Cell Therapy**  
Frank, M. J., Baird, J. H., Patel, S., Craig, J., Spiegel, J. Y., Ehlinger, Z., Chinnasamy, H., Younes, S. F., Oak, J. S., Natkunam, Y., Reynolds, W. D., Iglesias, M., Crawford, et al  
AMER SOC HEMATOLOGY.2021
- **Monitoring of Circulating Tumor DNA Improves Early Relapse Detection After Axicabtagene Ciloleucl Infusion in Large B-Cell Lymphoma: Results of a Prospective Multi-Institutional Trial.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Frank, M. J., Hossain, N. M., Bukhari, A., Dean, E., Spiegel, J. Y., Claire, G. K., Kirsch, I., Jacob, A. P., Mullins, C. D., Lee, L. W., Kong, K. A., Craig, J., Mackall, et al  
2021: JCO2100377
- **Autologous tumor cell vaccine induces antitumor T cell immune responses in patients with mantle cell lymphoma: A phase I/II trial.** *The Journal of experimental medicine*  
Frank, M. J., Khodadoust, M. S., Czerwinski, D. K., Haabeth, O. A., Chu, M. P., Miklos, D. B., Advani, R. H., Alizadeh, A. A., Gupta, N. K., Maeda, L. S., Reddy, S. A., Laport, G. G., Meyer, et al  
2020; 217 (9)

- **CAR19 monitoring by peripheral blood immunophenotyping reveals histology-specific expansion and toxicity.** *Blood advances*  
Hamilton, M. P., Craig, E., Gentile Sanchez, C., Mina, A., Tamaresis, J., Kirmani, N., Ehlinger, Z., Syal, S., Good, Z., Sworder, B., Schroers-Martin, J., Lu, Y., Muffly, et al  
2024
- **CD22 CAR T cells demonstrate high response rates and safety in pediatric and adult B-ALL: Phase 1b results.** *Leukemia*  
Schultz, L. M., Jeyakumar, N., Kramer, A. M., Sahaf, B., Srinagesh, H., Shiraz, P., Agarwal, N., Hamilton, M., Erickson, C., Jacobs, A., Moon, J., Baggott, C., Arai, et al  
2024
- **Clinical Features of Neurotoxicity Following CD19 CAR T-cell Therapy in Mantle Cell Lymphoma.** *Blood advances*  
Nie, E. H., Su, Y. J., Baird, J. H., Agarwal, N., Bharadwaj, S., Weng, W. K., Smith, M., Dahiya, S., Han, M. H., Dunn, J. E., Kipp, L. B., Miklos, D. B., Scott, et al  
2024
- **Specificity of Immunoglobulin High-Throughput Sequencing Minimal Residual Disease Monitoring in Non-Hodgkin Lymphomas.** *Blood advances*  
Shukla, N., Schroers-Martin, J., Sworder, B., Kathuria, K. R., Alig, S., Frank, M. J., Miklos, D. B., Coutre, S. E., Diehn, M., Khodadoust, M. S., Roschewski, M. J., Kurtz, D. M., Alizadeh, et al  
2023
- **Single Center Randomized Trial of T-reg graft alone versus T-reg graft Plus Tacrolimus for the Prevention of Acute GVHD.** *Blood advances*  
Bader, C. S., Pavlova, A., Lowsky, R., Muffly, L., Shiraz, P., Arai, S., Johnston, L. J., Rezvani, A. R., Weng, W. K., Miklos, D. B., Frank, M. J., Tamaresis, J. S., Agrawal, et al  
2023
- **A clinical trial of therapeutic vaccination in lymphoma with serial tumor sampling and single cell analysis.** *Blood advances*  
Shree, T., Haebe, S. E., Czerwinski, D. K., Eckhert, E., Day, G., Sathe, A., Grimes, S. M., Frank, M. J., Maeda, L., Alizadeh, A. A., Advani, R. H., Hoppe, R. T., Long, et al  
2023
- **CAR19 Therapy Drives Expansion of Clonal Hematopoiesis and Associated Cytopenias**  
Hamilton, M. P., Sworder, B. J., Alig, S. K., Good, Z., Boegeholz, J., Schroers-Martin, J., Tamaresis, J., Esfahani, M., Lu, Y., Olsen, M., Liu, C., Ehlinger, Z., Desai, et al  
AMER SOC HEMATOLOGY.2023
- **Comparative Effectiveness of Axicabtagene Ciloleucel Vs Historical Standard-of-Care in Patients with Relapsed or Refractory Follicular Lymphoma: An Analysis of CIBMTR and SCHOLAR-5 Data**  
Kambhampati, S., Wang, H., Yan, J., Herrera, A. F., Frank, M. J., Popplewell, L. L., Ahmed, N., Lin, Y., Locke, F. L., Ghione, P., Gribben, J. G., Best, T., Fu, et al  
AMER SOC HEMATOLOGY.2023
- **Second-Line Chimeric Antigen Receptor T Cell Therapy (CAR-T) As Standard of Care for Relapsed-Refractory Large B-Cell Lymphoma (LBCL)**  
Dahiya, S., Spiegel, J. Y., Lee, D., Mohammed, T., Lutfi, F., Goyal, A., Hana, C., Chavez, J. C., Ionescu, F., Frank, M. J., Bharadwaj, S., Sandoval-Sus, J., Beitinjaneh, et al  
AMER SOC HEMATOLOGY.2023
- **CD22 CAR T Cell-Related IEC-HS Is Associated with an IFN- Cytokine Signature**  
Srinagesh, H., Baird, J. H., Agarwal, N., Su, Y., Kramer, A., Reschke, A., Jeyakumar, N., Bharadwaj, S., Schultz, L., Ramakrishna, S., Davis, K. L., Sahaf, B., Feldman, et al  
AMER SOC HEMATOLOGY.2023
- **Manufacturing of a Subsequent Autologous CAR-T Product after Prior CAR-T Is Safe and Feasible**  
Su, Y., Kramer, A., Hamilton, M. P., Agarwal, N., Feldman, S., Sahaf, B., Kuo, A., Mackall, C. L., Muffly, L. S., Miklos, D. B., Frank, M. J.  
AMER SOC HEMATOLOGY.2023
- **Transcriptional Profiling Associated with CD22 CAR T Cell Clinical Response in LBCL**  
Kramer, A., Hamilton, M. P., Prabhu, S., Desai, M., Kuo, A., Ehlinger, Z., Agarwal, N., Su, Y., Gkitsas, N., Fowler, C., Keerthi, V., Retherford, A., Klysz, et al  
AMER SOC HEMATOLOGY.2023
- **Impact of Obesity on Efficacy, Safety, and Expansion Kinetics of Chimeric Antigen Receptor-T (CAR T) Therapy in Patients with Relapsed or Refractory Large B Cell Lymphoma (LBCL)**  
Goyal, A., Bharadwaj, S., Lee, D., Lau, E., Hamilton, M. P., Jensen, A., Sahaf, B., Syal, S., Patil, S., Cancilla, J. E., Latchford, T., Weng, W., Smith, et al  
AMER SOC HEMATOLOGY.2023

- **Long-Term Efficacy and Immune Reconstitution with Bendamustine As a Lymphodepleting Agent for Axicabtagene Ciloleucel (Axi-Cel) in Patients with Refractory or Relapsed Large B-Cell Lymphoma (LBCL)**  
Bharadwaj, S., Lau, E., Goyal, A., Hamilton, M. P., Srinagesh, H., Jensen, A., Syal, S., Mallampet, J., Latchford, T., Sahaf, B., Weng, W., Smith, M., Maecker, et al  
AMER SOC HEMATOLOGY.2023
- **Post-CAR-T Minimal Residual Disease (MRD) Monitoring in Mantle Cell Lymphoma Enables Early Relapse Detection**  
Ananth, S., Su, Y., Hamilton, M. P., Agarwal, N., Weng, W., Dahiya, S., Bharadwaj, S., Mallampet, J., Smith, M., Kong, K., Tway, A., Miklos, D. B., Frank, et al  
AMER SOC HEMATOLOGY.2023
- **Analysis of PET-CT Derived Radiomic Biomarkers with Efficacy, Safety, and Expansion of Axicabtagene Ciloleucel (Axi-Cel) in Patients with Relapsed or Refractory Large B-Cell Lymphoma (LBCL)**  
Bharadwaj, S., Lau, E., Hashmi, A., Hamilton, M. P., Jensen, A., Goyal, A., Marar, M., Lee, C., Ananth, S., Sahaf, B., Mallampet, J., Ehlinger, Z., Syal, et al  
AMER SOC HEMATOLOGY.2023
- **Phase 1 Trial Results for Patients with Advanced Hematologic Malignancies Undergoing Reduced Intensity Allogeneic HCT with Orca-T Donor Cell Therapy Product and Single Agent Tacrolimus**  
Villar-Prados, A., Meyer, E. H., Sutherland, K., Negrin, R. S., Arai, S., Frank, M. J., Johnston, L., Lowsky, R., Miklos, D. B., Muffly, L. S., Dahiya, S., Rezvani, A. R., Sidana, et al  
AMER SOC HEMATOLOGY.2023
- **Bendamustine vs. fludarabine/cyclophosphamide lymphodepletion prior to BCMA CAR-T cell therapy in multiple myeloma.** *Blood cancer journal*  
Sidana, S., Hosoya, H., Jensen, A., Liu, L., Goyal, A., Hovanky, V., Sahaf, B., Bharadwaj, S., Latchford, T., Arai, S., Leahy, S., Mei, M., Budde, et al  
2023; 13 (1): 158
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Lymphoma Subtypes: Implications for Treatment Resistance.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*  
Younes, S., Zhao, S., Bharadwaj, S., Mosquera, A. P., Libert, D., Johnsrud, A., Majzner, R. G., Miklos, D. B., Frank, M. J., Natkunam, Y.  
2023: 100256
- **Real-world outcomes of brexucabtagene autoleucel (brexu-cel) for relapsed or refractory (R/R) mantle cell lymphoma (MCL): A CIBMTR subgroup analysis by prior treatment.**  
Kambhampati, S., Ahmed, N., Hamadani, M., Grover, N., Shadman, M., Locke, F. L., Gerson, J. M., Frank, M., Budde, L., Wang, M., Hu, Z., Nunes, A., Dalton, et al  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Real-world early outcomes of axicabtagene ciloleucel for relapsed or refractory (R/R) follicular lymphoma (FL).**  
Jacobson, C., Hemmer, M. T., Hu, Z., Frank, M., Popplewell, L., Ahmed, N., Lin, Y., Best, T., Beygi, S., Miao, H. H., Fu, C., Sun, F., Xu, et al  
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Circulating Tumor DNA Adds Specificity to PET following Axicabtagene Ciloleucel in Large B-cell Lymphoma.** *Blood advances*  
Dean, E. A., Kimmel, G. J., Frank, M. J., Bukhari, A., Hossain, N. M., Jain, M. D., Dahiya, S., Miklos, D. B., Altrock, P. M., Locke, F. L.  
2023
- **Improved outcomes for relapsed/refractory Hodgkin lymphoma after autologous transplantation in the era of novel agents.** *Blood*  
Spinner, M. A., Sica, R. A., Tamaresis, J. S., Lu, Y., Chang, C., Lowsky, R., Frank, M. J., Johnston, L. J., Miklos, D. B., Muffly, L., Negrin, R. S., Rezvani, A. R., Shiraz, et al  
2023
- **Brexucabtagene Autoleucel for Relapsed or Refractory Mantle Cell Lymphoma in Standard-of-Care Practice: Results From the US Lymphoma CAR T Consortium.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Wang, Y., Jain, P., Locke, F. L., Maurer, M. J., Frank, M. J., Munoz, J. L., Dahiya, S., Beitinjaneh, A. M., Jacobs, M. T., Mcguirk, J. P., Vose, J. M., Goy, A., Andreadis, et al  
2023: JCO2201797
- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T-cell therapy for mantle cell lymphoma.** *Journal of neuropathology and experimental neurology*  
Nie, E. H., Ahmadian, S. S., Bharadwaj, S. N., Acosta-Alvarez, L., Threlkeld, Z. D., Frank, M. J., Miklos, D. B., Monje, M., Scott, B. J., Vogel, H.  
2023
- **Specificity & Precision of Minimal Residual Disease Monitoring in DLBCL Using Ig-HTS**

- Shukla, N. D., Schroers-Martin, J., Kathuria, K. R., Sworder, B., Alig, S. K., Frank, M. J., Miklos, D. B., Coutre, S., Diehn, M., Khodadoust, M. S., Roschewski, M., Kurtz, D. M., Alizadeh, et al  
AMER SOC HEMATOLOGY.2022: 6403-6404
- **Higher Rates of Severe Infection and Persistent Cytopenias in Long-Term CAR19 Responders Than after Autologous HCT: A Single Institution Study of 139 Subjects**  
Hamilton, M. P., Liu-Fei, F. C., Alig, S. K., Tamaresis, J., Esfahani, M., Good, Z., Sworder, B., Schroers-Martin, J., Liu, C., Severinsen, F., Hanson, P. J., Lu, Y., Lowsky, et al  
AMER SOC HEMATOLOGY.2022: 7545-7547
  - **The Development of Carhlh after Axicabtagene Ciloleucel Is Associated with Poor Outcomes**  
Philip, S., Srinagesh, H. K., Hamilton, M. P., Gentile, C., Mina, A., Arai, S., Johnston, L. J., Lowsky, R., Meyer, E. H., Negrin, R. S., Rezvani, A. R., Shiraz, P., Shizuru, et al  
AMER SOC HEMATOLOGY.2022: 12775-12777
  - **Analysis of Bendamustine Lymphodepletion, CD19 CART Expansion, Safety and Efficacy in Patients with Rel/Ref NonHodgkin Lymphoma**  
Bharadwaj, S., Hamilton, M. P., Sahaf, B., Tamaresis, J., Patil, S., Hanson, P. J., Latchford, T., Arai, S., Johnston, L. J., Lowsky, R., Negrin, R. S., Rezvani, A. R., Shizuru, et al  
AMER SOC HEMATOLOGY.2022: 10371-10373
  - **Belumosudil Combination Therapy in Refractory Chronic Graft-Versus-Host Disease**  
Chin, M., Shizuru, J. A., Muffly, L., Shiraz, P., Johnston, L. J., Lowsky, R., Rezvani, A. R., Frank, M. J., Bharadwaj, S., Weng, W., Negrin, R. S., Miklos, D. B., Arai, et al  
AMER SOC HEMATOLOGY.2022: 4788-4789
  - **Outcomes for Acute Myeloid Leukemia Relapse after Allogeneic Hematopoietic Cell Transplantation Remain Poor in the Modern Era**  
Philip, S., Lowsky, R., Johnston, L. J., Arai, S., Meyer, E. H., Negrin, R. S., Rezvani, A. R., Shiraz, P., Shizuru, J. A., Sidana, S., Weng, W., Bharadwaj, S., Frank, et al  
AMER SOC HEMATOLOGY.2022: 4825-4827
  - **Long-Term Follow-up of CD19/22 CAR Therapy in Children and Young Adults with B-ALL Reveals Efficacy, Tolerability and High Survival Rates When Coupled with Hematopoietic Stem Cell Transplantation**  
Schultz, L. M., Ramakrishna, S., Baskar, R., Richards, R. M., Moon, J., Baggott, C., Fujimoto, M., Kunicki, M., Li, A., Jariwala, S., Erickson, C., Jacobs, A., Yamabe, et al  
AMER SOC HEMATOLOGY.2022: 10300-10302
  - **Clonal Hematopoiesis Driven By Recurrent Somatic Mutations but Not with Recurrent Copy Number Alterations Is Associated with Inferior Outcomes in DLBCL after Induction Chemotherapy, but Not CAR19 Therapy**  
Boegeholz, J., Alig, S. K., Sworder, B., Schroers-Martin, J., Macaulay, C., Craig, A. M., Duehrsen, U., Huettmann, A., Westin, J., Cherng, H. J., Miklos, D. B., Frank, M. J., Diehn, et al  
AMER SOC HEMATOLOGY.2022: 8609-8610
  - **Activating Immune Effectors and Dampening Immune Suppressors Generates Successful Therapeutic Cancer Vaccination in Patients with Lymphoma**  
Shree, T., Haebe, S., Czerwinski, D. K., Eckhart, E., Day, G., Sathe, A., Grimes, S. M., Frank, M. J., Maeda, L. S., Alizadeh, A. A., Advani, R. H., Hoppe, R., Long, et al  
AMER SOC HEMATOLOGY.2022: 6450-6451
  - **Long-Term Cognitive and Neuropsychiatric Outcomes in Adults Who Have Received Chimeric Antigen Receptor T-Cell (CAR-T) Therapy for Aggressive Lymphoma at Stanford - a Pilot Feasibility Study**  
Scott, B. J., Murray, T., Deutsch, G. K., Lahijani, S., Frank, M. J., Monje, M.  
AMER SOC HEMATOLOGY.2022: 5201-5202
  - **CD22 CAR T Cells Demonstrate Favorable Safety Profile and High Response Rates in Pediatric and Adult B-ALL: Results of a Phase 1b Study**  
Jeyakumar, N., Ramakrishna, S., Frank, M. J., Sahaf, B., Feldman, S. A., Miklos, D. B., Mackall, C. L., Davis, K. L., Muffly, L., Schultz, L. M.  
AMER SOC HEMATOLOGY.2022: 2374-2375
  - **A Phase 1 Study of ADI-001: Anti-CD20 CAR-Engineered Allogeneic Gamma Delta1 (gamma delta) T Cells in Adults with B-Cell Malignancies**  
Neelapu, S. S., Stevens, D. A., Hamadani, M., Frank, M. J., Holmes, H., Jacobovits, A., Hinkle, J., Kennedy-Wilde, J., Maller, O., Weinstein, B., Galimi, F., Lai, R. K., Miklos, et al  
AMER SOC HEMATOLOGY.2022: 4617-4619
  - **Determinants of Resistance to Engineered T-Cell Therapies Targeting CD19 in Large B-Cell Lymphomas**

Sworder, B., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N. D., Garofalo, A., Macaulay, C., Esfahani, M., Olsen, M., Hamilton, J., Hosoya, H., Hamilton, M. P., Spiegel, et al  
AMER SOC HEMATOLOGY.2022: 1301-1303

- **Post-infusion CAR T-Reg cells identify patients resistant to CD19-CAR therapy** *NATURE MEDICINE*  
Good, Z., Spiegel, J. Y., Sahaf, B., Malipatlolla, M. B., Ehlinger, Z. J., Kurra, S., Desai, M. H., Reynolds, W. D., Lin, A., Vandris, P., Wu, F., Prabhu, S., Hamilton, et al  
2022
- **Assessment of Pretreatment and Posttreatment Evolution of Neurofilament Light Chain Levels in Patients Who Develop Immune Effector Cell-Associated Neurotoxicity Syndrome.** *JAMA oncology*  
Butt, O. H., Zhou, A. Y., Caimi, P. F., Luckett, P. H., Wisch, J. K., Derenoncourt, P., Lee, K., Wu, G. F., de Lima, M. J., Campian, J. L., Frank, M. J., DiPersio, J. F., Ghobadi, et al  
2022
- **CAR T-cell therapy for mantle cell lymphoma with central nervous system relapse.** *Blood advances*  
Vu, K., Frank, M. J.  
2022
- **Reverse fate mapping of CD19-targeted CAR T cells in patients with large B-cell lymphoma**  
Good, Z., Hamilton, M. P., Spiegel, J. Y., Kurra, S., Desai, M., Prabhu, S., Yang, E., Ozawa, M. G., Hanson, P. J., Wu, F., Frank, M. J., Baird, J. H., Muffly, et al  
AMER ASSOC CANCER RESEARCH.2022
- **Brexucabtagene autoleucel for relapsed/refractory mantle cell lymphoma: Real-world experience from the United States lymphoma CAR T consortium.**  
Jain, P., Wang, Y., Locke, F. L., Munoz, J., Beitinjaneh, A., Frank, M., Dahiya, S., Jacobs, M. T., Hill, B. T., Lekakis, L. J., Miklos, D., Ghobadi, A., Neelapu, et al  
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with CD19 CAR T-cell lymphoma therapy**  
Nie, E., Ahmadian, S., Bharadwaj, S., Acosta-Alvarez, L., Threlkeld, Z., Frank, M., Miklos, D., Born, D., Scott, B., Monje, M., Vogel, H.  
OXFORD UNIV PRESS INC.2022: 464
- **Allogeneic Hematopoietic Cell Transplantation for Adult Acute Lymphoblastic Leukemia in the Modern Era.** *Transplantation and cellular therapy*  
Liang, E. C., Craig, J., Torelli, S., Cunanan, K., Iglesias, M., Arai, S., Frank, M. J., Johnston, L., Lowsky, R., Meyer, E. H., Miklos, D. B., Negrin, R., Rezvani, et al  
2022
- **Inferring gene expression from cell-free DNA fragmentation profiles.** *Nature biotechnology*  
Esfahani, M. S., Hamilton, E. G., Mehrmohamadi, M., Nabet, B. Y., Alig, S. K., King, D. A., Steen, C. B., Macaulay, C. W., Schultz, A., Nesselbush, M. C., Soo, J., Schroers-Martin, J. G., Chen, et al  
2022
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Hodgkin and Non-Hodgkin Lymphomas: Implications for CAR T Cell Resistance**  
Younes, S., Libert, D., Zhao, S., Johnsrud, A., Bharadwaj, S., Majzner, R., Frank, M., Miklos, D., Natkunam, Y.  
SPRINGERNATURE.2022: 1046-1048
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Hodgkin and Non-Hodgkin Lymphomas: Implications for CAR T Cell Resistance**  
Younes, S., Libert, D., Zhao, S., Johnsrud, A., Bharadwaj, S., Majzner, R., Frank, M., Miklos, D., Natkunam, Y.  
SPRINGERNATURE.2022: 1046-1048
- **Real-world Experience of Cryopreserved Allogeneic Hematopoietic Grafts in the COVID-19 Pandemic: A Single Center Report.** *Transplantation and cellular therapy*  
Bankova, A. K., Caveney, J., Yao, B., Ramos, T. L., Bogeholz, J., Heydari, K., Diaz, N., Jackson, M. L., Lowsky, R., Brown, J. W., Johnston, L., Rezvani, A. R., Frank, et al  
1800
- **Mgta-145+Plerixafor Provides GCSF-Free Rapid and Reliable Hematopoietic Stem Cell Mobilization for Autologous Stem Cell Transplant in Patients with Multiple Myeloma: A Phase 2 Study**  
Sidana, S., Bankova, A. K., Hosoya, H., Kumar, S., Tamaresis, J., Le, A., Muffly, L., Johnston, L. J., Arai, S., Lowsky, R., Meyer, E. H., Rezvani, A. R., Weng, et al  
AMER SOC HEMATOLOGY.2021
- **ALPHA Study: ALLO-501 Produced Deep and Durable Responses in Patients with Relapsed/Refractory Non-Hodgkin's Lymphoma Comparable to Autologous CAR T**

Neelapu, S. S., Nath, R., Munoz, J., Tees, M., Miklos, D. B., Frank, M. J., Malik, S. A., Stevens, D., Shin, C., Balakumaran, A., Loomis-Navale, L., Goyal, L., Nguyen, et al  
AMER SOC HEMATOLOGY.2021

- **ALPHA2 Study: ALLO-501A Allogeneic CAR T in LBCL, Updated Results Continue to Show Encouraging Safety and Efficacy with Consolidation Dosing**  
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