



Lori Muffly

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

Medicine - Blood & Marrow Transplantation

CLINICAL OFFICE (PRIMARY)

- **Blood and Marrow Transplant Clinic**

875 Blake Wilbur Dr Clinic F

MC 6560

Stanford, CA 94305

Tel (650) 498-6000

Fax (650) 498-6919

ACADEMIC CONTACT INFORMATION

- **Administrative Associate**

CaPreia Wright - Administrative Associate

Email preiaw96@stanford.edu

Bio

BIO

Dr. Muffly is an Associate Professor in the Division of Blood and Marrow Transplantation-Cellular Therapies. She is an expert in cellular therapies for adults with acute leukemia. She leads several national and institutional clinical trials aimed at improving the outcomes of bone marrow transplantation and CAR T-cell therapies for adults with acute lymphoblastic leukemia and acute myeloid leukemia. She also conducts population sciences research to improve access to care and outcomes among these patient populations. She serves on the Board of Directors for the American Society of Transplantation and Cellular Therapy and the NMDP and is a member of the Editorial Boards of Blood, Blood Advances, and the Hematologist. Her work is funded by the Leukemia and Lymphoma Society, the NIH, the California Institute of Regenerative Medicine, and various industry partners.

CLINICAL FOCUS

- blood and marrow transplant
- Hematology
- CAR T Cell Therapy
- acute lymphoblastic leukemia
- acute myeloid leukemia

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Senior Fellow, Leukemia & Transplantation Program - University of Chicago, (2011-2013)
- Senior Fellow, Lymphoma Program, University of Chicago, (2011-2013)
- Senior Fellow, Adolescent & Young Adult Clinic, University of Chicago, (2012-2013)
- Bone Marrow Transplant Fellow, Colorado Blood Cancer Institute, Denver CO, (2013-2014)

- Clinical Assistant Professor of Medicine, Stanford University, (2014-2018)
- Assistant Fellowship Director, Stanford Blood and Marrow Transplant Division, (2016-2019)
- Faculty Director, Stanford Cancer Cell Therapy Core Database, (2018-2020)
- Assistant Professor of Medicine, Division of Blood and Marrow Transplantation Stanford University, (2018- present)
- Clinical Research Group (CRG) Leader, Stanford Blood and Marrow Transplant, (2019- present)
- Clinical Research Operations Leader, Stanford BMT-CT Division, (2019- present)

HONORS AND AWARDS

- Herbert Armory Hare Honor Medical Society, Jefferson Medical College (2007)
- Excellence in Teaching Award, Dartmouth Hitchcock Medical Center (2010)
- Illinois Medical Oncology Society Fellow Research Award Recipient, . (2012)
- NIH T32CA9566 Training Grant Recipient, . (2012)
- Richard and Debra Gonzalez Fellowship Grant Recipient, University of Chicago (2012)
- American Society of Blood & Marrow Transplantation Travel Grant Recipient, . (2013)
- Conquer Cancer Foundation of ASCO Jane C Wright, MD Young Investigator Award, . (2013)
- Palliative Care Research Cooperative Group Investigator Development Award, . (2016)
- Clinical Innovation Award, Stanford Cancer Institute (2017)
- Access to Care Award, Leukemia and Lymphoma Society (2020)
- Innovation Award, Stanford Cancer Institute (2020)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society of Clinical Oncology (2013 - present)
- Member, American Society of Hematology (2013 - present)
- Member, American Society for Transplantation and Cellular Therapy (2014 - present)
- Member, Stanford Cancer Institute (2014 - present)
- Member, Scientific Review Committee Panel Member, Stanford Cancer Institute (2016 - 2020)
- Member, Center for Cancer Cell Therapies (2016 - present)
- Member, Society of Hematologic Oncology (SOHO) Educational Planning Committee (2017 - present)
- Member, Center for International Blood and Marrow Transplant Late Effects Task Force (2018 - 2019)
- Member, Transplantation and Cellular Therapy Meetings (TCT) Scientific Organizing Committee (2019 - 2020)
- Member, American Society of Hematology Government Affairs Committee (2019 - present)
- Member, Bone Marrow Transplant Clinical Trials Network Publications Committee (2019 - present)
- Member, BMT Clinical Trials Network Myeloid Malignancies State of the Science Committee (2020 - present)
- Member, Center for Int'l Blood and Marrow Transplant Research Nominating Committee (2020 - present)
- Member, American Board of Internal Medicine Hematology Item Writing Task Force Committee (2020 - present)
- Co-Chair, Bone Marrow Transplant Clinical Trials Network Publications Committee (2021 - present)
- Member, Stanford Cancer Institute Data and Safety Monitoring Committee (2021 - present)

PROFESSIONAL EDUCATION

- Board Certification: Hematology, American Board of Internal Medicine (2013)
- Medical Education: Sidney Kimmel Medical College Thomas Jefferson University (2007) PA

- Fellowship: University of Chicago Hospitals (2013) IL
- Residency: Dartmouth Hitchcock Medical Center (2010) NH
- Internship: Dartmouth Hitchcock Medical Center (2008) NH

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Muffly is the Principal Investigator on numerous clinical trials in the Division of BMT-CT. Her trials have included novel CAR T-cell constructs for adults with ALL and AML, including CAR T-cell therapies that have been developed and manufactured at Stanford. She has studied methods to improve CAR T-cells in adults with ALL in vivo through the use of cytokine and tyrosine kinase inhibitors. She is also interested in novel trials and approaches to transplantation, and is the Principal Investigator of an investigator initiated trial that combines a donor graft engineered transplant with allogeneic CAR T-cells for adults with high-risk ALL. She has several industry partnerships to advance science and new therapeutics in these patient populations. Aside from clinical trials, she leads a health outcomes research program that has received successive funding to study equity in access to care for young adults with acute leukemia. She has published several papers on this topic and works with researchers around the country examining large datasets to determine patterns of care and barriers to specialized cancer care. She has mentored dozens of students and trainees and serves as faculty for mentorship programs (ASH CRTI). She is also a current or past member of the Editorial Boards of Blood, Blood Advances, the Hematologist, and serves as the Executive Editor of Hematology, the ASH Annual Meeting Book.

CLINICAL TRIALS

- B7-H3 Chimeric Antigen Receptor T Cells (B7-H3CART) in Recurrent Glioblastoma Multiforme, Recruiting
- Donor-Derived Anti-CD33 CAR T Cell Therapy (VCAR33) in Patients With Relapsed or Refractory AML After Allogeneic Hematopoietic Cell Transplant, Recruiting
- Evaluate Safety of Axicabtagene Ciloleucel 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
- Molecular Evaluation of AML Patients After Stem Cell Transplant to Understand Relapse Events, Recruiting
- Phase I Dose Escalation Study of CD19/CD22 Chimeric Antigen Receptor (CAR) T Cells in Children and Young Adults With Recurrent or Refractory B Cell Malignancies, 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 Brexucabtagene Autoleucel Plus Dasatinib in Adults With Acute Lymphoblastic Leukemia, Recruiting
- A Phase 1 Study of WU-NK-101 in Patients With Relapsed or Refractory (R/R) Acute Myeloid Leukemia (AML), Not Recruiting
- A Study of Ruxolitinib in Combination With Corticosteroids for the Treatment of Steroid-Refractory Acute Graft-Versus-Host Disease (REACH-1), Not Recruiting
- A Trial of the FMS-like Tyrosine Kinase 3 (FLT3) Inhibitor Gilteritinib Administered as Maintenance Therapy Following Allogeneic Transplant for Patients With FLT3/Internal Tandem Duplication (ITD) Acute Myeloid Leukemia (AML), Not Recruiting
- Autologous CD22 CAR T Cells in Adults w/ Recurrent or Refractory B Cell Malignancies, Not Recruiting
- Calcineurin Inhibitor-Free Interventions BMT CTN 1301 for Prevention of Graft-versus-Host Disease (BMT CTN 1301), 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
- Donor Regulatory T Cells in Treating Patients With Visceral Acute Graft-versus-Host Disease After Stem Cell Transplant, Not Recruiting
- Expanded Access Protocol for Tabelecleucel for Patients With Epstein-Barr Virus-Associated Viremia or Malignancies, Not Recruiting
- Ibrutinib in Combination With Corticosteroids vs Placebo in Combination With Corticosteroids in Participants With New Onset Chronic Graft Versus Host Disease (cGVHD), Not Recruiting
- Ibrutinib in Treating Patients With Refractory or Relapsed Lymphoma After Donor Stem Cell Transplant, Not Recruiting
- JSP191 Antibody Conditioning Regimen in MDS/AML Subjects Undergoing Allogeneic Hematopoietic Stem Cell Transplantation, Not Recruiting

- MAGE A10####T for Advanced NSCLC, Not Recruiting
- Obinutuzumab in cGVHD After Allogeneic Peripheral Blood Stem Cell Transplantation, Not Recruiting
- Phase I Trial for Patients w/ Advanced Hematologic Malignancies Undergoing Allogeneic HCT, Not Recruiting
- Post T-plant Infusion of Allogeneic Cytokine Induced Killer (CIK) Cells as Consolidative Therapy in Myelodysplastic Syndromes/Myeloproliferative Disorders, Not Recruiting
- Standard-Dose Combination Chemotherapy or High-Dose Combination Chemotherapy and Stem Cell Transplant in Treating Patients With Relapsed or Refractory Germ Cell Tumors, Not Recruiting
- Stanford Letter or Traditional Advance Directive in Advance Care Planning in Patients Undergoing Bone Marrow Transplant, Not Recruiting
- Study of Effectiveness of Axicabtagene Ciloleucel Compared to Standard of Care Therapy in Patients With Relapsed/Refractory Diffuse Large B Cell Lymphoma, Not Recruiting
- Study of KITE-222 in Participants With Relapsed/Refractory Acute Myeloid Leukemia, Not Recruiting
- Study of Quality of Life in Older vs. Younger Adult Patients Undergoing Allogeneic Hematopoietic Cell Transplantation for Myelodysplastic Syndromes, Not Recruiting
- Study of Safety and Efficacy of KTE-C19 in Combination With Atezolizumab in Adults With Refractory Diffuse Large B-Cell Lymphoma (DLBCL), Not Recruiting
- The clonoSEQ® Watch Registry, Not Recruiting
- Total Body Irradiation +/- Total Lymphoid Irradiation & Anti-Thymocyte Globulin in Non-myeloablative Hematopoietic Cell Transplantation, Not Recruiting

Publications

PUBLICATIONS

- **Concordance of peripheral blood and bone marrow measurable residual disease in adult acute lymphoblastic leukemia.** *Blood advances*
Muffly, L., Sundaram, V., Chen, C., Yurkiewicz, I., Kuo, E., Burnash, S., Spiegel, J. Y., Arai, S., Frank, M. J., Johnston, L. J., Lowsky, R., Meyer, E. H., Negrin, et al
2021; 5 (16): 3147-3151
- **Decreased Early Mortality in Young Adult Patients With Acute Lymphoblastic Leukemia Treated at Specialized Cancer Centers in California** *JOURNAL OF ONCOLOGY PRACTICE*
Alvarez, E. M., Malogolowkin, M., Li, Q., Brunson, A., Pollock, B. H., Muffly, L., Wun, T., Keegan, T. M.
2019; 15 (4): 200-+
- **Does Treatment Setting Matter? Evaluating Resource Utilization for Adolescents Treated in Pediatric vs Adult Cancer Institutions** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Parsons, H. M., Muffly, L., Alvarez, E. M., Keegan, T. M.
2019; 111 (3): 224-25
- **Hematopoietic Cell Transplantation in Young Adult Acute Lymphoblastic Leukemia: A United States Population-Level Analysis.** *Journal of adolescent and young adult oncology*
Muffly, L., Li, Q., Alvarez, E., Kahn, J., Winestone, L., Cress, R., Penn, D. C., Keegan, T. H.
2019
- **Patterns of care and outcomes in adolescent and young adult acute lymphoblastic leukemia: a population-based study** *BLOOD ADVANCES*
Muffly, L., Alvarez, E., Lichtensztajn, D., Abrahao, R., Gomez, S., Keegan, T.
2018; 2 (8): 895-903
- **Adoption of Pediatric-Inspired Acute Lymphoblastic Leukemia Regimens by Adult Oncologists Treating Adolescents and Young Adults: A Population-Based Study** *CANCER*
Muffly, L., Lichtensztajn, D., Shiraz, P., Abrahao, R., McNeer, J., Stock, W., Keegan, T., Gomez, S. L.
2017; 123 (1): 122-130
- **Outcomes After Brexucabtagene Autoleucel Administered as a Standard Therapy for Adults With Relapsed/Refractory B-Cell ALL.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Roloff, G. W., Aldoss, I., Kopmar, N. E., Lin, C., Dekker, S. E., Gupta, V. K., O'Connor, T. E., Jeyakumar, N., Muhsen, I. N., Valtis, Y., Ahmed, N., Zhang, A., Miller, et al
2024: JCO2400321

- **Phase II study of novel CXCR2 agonist and Plerixafor for rapid stem cell mobilization in patients with multiple myeloma.** *Blood cancer journal*
Sidana, S., Bankova, A. K., Hosoya, H., Kumar, S. K., Holmes, T. H., Tamaresis, J., Le, A., Muffly, L. S., Maysel-Auslender, S., Johnston, L., Arai, S., Lowsky, R., Meyer, et al
2024; 14 (1): 173
- **The Role of CAR T-Cell Therapy in Relapsed/Refractory Adult B-ALL.** *Journal of the National Comprehensive Cancer Network : JNCCN*
Othman, T., Logan, A. C., Muffly, L., Leonard, J., Park, J., Shah, B., Aldoss, I.
2024; 22 (8)
- **Predicting relapse in acute lymphoblastic leukemia.** *Leukemia & lymphoma*
Schwartz, M. S., Muffly, L. S.
2024: 1-7
- **Utilization of allogeneic hematopoietic stem cell transplantation among patients with newly diagnosed acute myeloid leukemia in California: a population-based linked dataset study.** *Haematologica*
Meyer, C. L., Keegan, T. H., Brunson, A., Auletta, J. J., Morton, L. M., Wun, T., Schonfeld, S. J., Valcarcel, B., Abrahão, R., Yusuf, R. A., Muffly, L.
2024
- **Impact of Prior Inotuzumab Ozogamicin Treatment on Brexucabtagene Autoleucel outcomes in Adults with B-cell ALL.** *Blood advances*
Aldoss, I., Roloff, G. W., Faramand, R. G., Kopmar, N. E., Lin, C., Advani, A. S., Dekker, S. E., Gupta, V. K., O'Connor, T. E., Jeyakumar, N., Muhsen, I. N., Valtis, Y. K., Zhang, et al
2024
- **CD22-directed CAR T-cell therapy for large B-cell lymphomas progressing after CD19-directed CAR T-cell therapy: a dose-finding phase 1 study.** *Lancet (London, England)*
Frank, M. J., Baird, J. H., Kramer, A. M., Srinagesh, H. K., Patel, S., Brown, A. K., Oak, J. S., Younes, S. F., Natkunam, Y., Hamilton, M. P., Su, Y. J., Agarwal, N., Chinnasamy, et al
2024
- **A Phase 1 Clinical Trial of NKTR-255 with CD19-22 CAR-T Cell Therapy for Refractory B-cell Acute Lymphoblastic Leukemia.** *Blood*
Srinagesh, H. K., Jackson, C., Shiraz, P., Jeyakumar, N., Hamilton, M. P., Egeler, E., Mavroukakis, S., Kuo, A., Cancilla, J., Sahaf, B., Agarwal, N., Kanegai, A. M., Kramer, et al
2024
- **Bendamustine is a safe and effective lymphodepletion agent for axicabtagene ciloleucel in patients with refractory or relapsed large B-cell lymphoma.** *Journal for immunotherapy of cancer*
Bharadwaj, S., Lau, E., Hamilton, M. P., Goyal, A., Srinagesh, H., Jensen, A., Lee, D., Mallampet, J., Elkordy, S., Syal, S., Patil, S., Latchford, T., Sahaf, et al
2024; 12 (7)
- **Cumulative incidence estimates for solid tumors after HCT in the CIBMTR and California Cancer Registry.** *Blood advances*
Schonfeld, S. J., Valcarcel, B., Meyer, C. L., Shaw, B. E., Phelan, R., Rizzo, D., Brunson, A., Cooley, J. J., Abrahao, R., Wun, T., Gadalla, S. M., Engels, E. A., Albert, et al
2024
- **Travel-Time barriers to specialized cancer care for adolescents and young adults with acute leukemia.** *JNCI cancer spectrum*
Parsons, H. M., Muffly, L. S., Garcia, A., Zhang, A., Miller, K., Van Riper, D., Knowles, K., Keegan, T. H.
2024
- **How I Use Next Generation Sequencing-MRD to Plan Approach and Prevent Relapse after HCT for Children and Adults with ALL.** *Blood*
Muffly, L., Liang, E. C., Dolan, J. G., Pulsipher, M. A.
2024
- **Management of post-autologous transplant relapse in patients with T-cell lymphomas.** *American journal of hematology*
Veilleux, O., Socola, F., Arai, S., Frank, M. J., Johnston, L., Lowsky, R., Shizuru, J., Meyer, E., Muffly, L., Rezvani, A. R., Shiraz, P., Sidana, S., Dahiya, et al
2024
- **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
- **Gilteritinib as Post-Transplant Maintenance for Acute Myeloid Leukemia With Internal Tandem Duplication Mutation of FLT3.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Levis, M. J., Hamadani, M., Logan, B., Jones, R. J., Singh, A. K., Litzow, M., Wingard, J. R., Papadopoulos, E. B., Perl, A. E., Soiffer, R. J., Ustun, C., Ueda Oshima, M., Uy, et al
2024: JCO2302474
- **Utilization of Autologous Hematopoietic Cell Transplantation Over Time in Multiple Myeloma: A Population-Based Study.** *Clinical lymphoma, myeloma & leukemia*
Esteghamat, N. S., Brunson, A., Rosenberg, A. S., Schonfeld, S. J., Valcarcel, B., Abrahao, R., Cooley, J. J., Meyer, C. L., Auletta, J. J., Morton, L. M., Muffly, L., Wun, T., Keegan, 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
- **Comparison of vital status, cause of death, and follow-up after HCT in linked CIBMTR and California Cancer Registry data, 1991-2018.** *Transplantation and cellular therapy*
Valcarcel, B., Schonfeld, S. J., Meyer, C. L., Brunson, A., Cooley, J. J., Abrahão, R., Wun, T., Auletta, J. J., Gadalla, S. M., Engels, E., Albert, P. S., Spellman, S. R., Rizzo, 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
- **Update for the 'Watch' Registry, a Real-World Observational Study Using Clonoseq® to Monitor MRD in Lymphoid Malignancies**
Cowan, A. J., Patel, K., Svoboda, J., Shah, B. D., Cheson, B. D., Azzi, G., Rabara, V., Muffly, L. S., Simmons, H., Thuillier, S., Leonard, J. T.
AMER SOC HEMATOLOGY.2023
- **Bridging Therapy in Adults with Relapsed/Refractory B-Cell Acute Lymphoblastic Leukemia Receiving Standard of Care Brexucabtagene Autoleucel: Results from the RealWorld Outcomes Collaborative of CAR T in Adult ALL (ROCCA)**
Lin, C., Tsai, S. B., Roloff, G. W., Zhang, A., Aldoss, I., Kopmar, N. E., Dekker, S. E., Jeyakumar, N., Gupta, V. K., O'Connor, T. E., Dykes, K. C., Ahmed, M., Dholaria, et al
AMER SOC HEMATOLOGY.2023
- **The Impact of Inotuzumab Ozogamicin (InO) Treatment on Brexucabtagene Autoleucel (Brexu-cel) Outcomes in Adults with Relapsed/Refractory B-Cell Acute Lymphoblastic Leukemia (B-ALL)**
Aldoss, I., Roloff, G. W., Advani, A. S., Kopmar, N. E., Lin, C., Dekker, S. E., Gupta, V. K., Jeyakumar, N., O'Connor, T. E., Zhang, A., Miller, K., Dykes, K. C., Ahmed, et al
AMER SOC HEMATOLOGY.2023
- **Discordance between Next Generation Sequencing and BCR-ABL PCR Measurable Residual Disease in Adult Patients with Ph plus Acute Lymphoblastic Leukemia**
Dekker, S. E., Sabile, J., Dasilva, B., Saygin, C., Schwartz, M., Raman, H. S., Kaempf, A., Luskin, M. R., Patel, A., Muffly, L. S., Leonard, J. T.
AMER SOC HEMATOLOGY.2023
- **Phase 1/2 Study of Donor-Derived Anti-CD33 Chimeric Antigen Receptor Expressing T Cells (VCAR33) in Patients with Relapsed or Refractory Acute Myeloid Leukemia after Allogeneic Hematopoietic Cell Transplantation**
Shah, N. N., Azzi, J., Cooper, B. W., Deol, A., DiPersio, J., Koura, D., McClune, B., Muffly, L. S., Mushtaq, M., Narayan, R., Suh, H., Yanik, G., Nath, et al
AMER SOC HEMATOLOGY.2023
- **Retrospective Analysis of Adolescent Young Adult Patients with Acute Lymphoblastic Leukemia or Lymphoblastic Lymphoma Treated with the CALGB 10403 Regimen Since Completion of Trial Enrollment**
DaSilva, B., Vyas, R. D., Darwin, A., Russel, K., Gilbert, J., Tan, V., Darji, H., Miller, K., Liang, E. C., Raychaudhuri, S., Duvall, A. S., Liedtke, M., Stock, et al

AMER SOC HEMATOLOGY.2023

- **CD22 CAR T Cell-Related IEC-HS Is Associated with an IFN- γ 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
- **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
- **The Impact of Social Determinants of Health on Brexucabtagene Autoleucel Outcomes in Adults with Relapsed/Refractory B-Cell Acute Lymphoblastic Leukemia**
O'Connor, T. E., Lin, C., Roloff, G. W., Zhang, A., Aldoss, I., Faramand, R., Kopmar, N. E., Dykes, K. C., Jeyakumar, N., Dekker, S. E., Gupta, V. K., Ahmed, M., Logan, et al
AMER SOC HEMATOLOGY.2023
- **Toxicity Profile of Brexucabtagene Autoleucel (brexu-cel; CD19-directed CAR T-cell therapy) in Adult Patients (pts) with Relapsed/Refractory (R/R) B-Cell Acute Lymphoblastic Leukemia (B-ALL): Results from a Multicenter Real-World Outcomes Study**
Kopmar, N. E., Gooley, T., Roloff, G. W., Aldoss, I., Lin, C., Dekker, S. E., Gupta, V. K., Jeyakumar, N., O'Connor, T., Dykes, K. C., Ahmed, M., Zambrano, H., Bradshaw, et al
AMER SOC HEMATOLOGY.2023
- **Age-Related Differences in Utilization of Allogeneic HCT for Acute Myeloid Leukemia in California: Results of a Population-Based, Novel Linked Dataset**
Meyer, C. L., Keegan, T. M., Brunson, A., Auletta, J. J., Morton, L. M., Wun, T., Schonfeld, S. J., Valcarcel, B., Abrahao, R., Yusuf, R., Muffly, L. S.
AMER SOC HEMATOLOGY.2023
- **Impact of Prior Response to Blinatumomab on Outcomes of Brexucabtagene Autoleucel (Brexu-cel) in Adult Patients with Relapsed or Refractory (r/r) B-Cell Acute Lymphoblastic Leukemia (B-ALL): Results from the Real-World Outcomes Collaborative of CAR-T in Adult ALL (ROCCA)**
Gupta, V. K., Roloff, G. W., Muffly, L. S., Aldoss, I., Kopmar, N. E., Lin, C., Dekker, S. E., Jeyakumar, N., O'Connor, T. E., Zhang, A., Miller, K., Dykes, K. C., Ahmed, et al
AMER SOC HEMATOLOGY.2023
- **Brexucabtagene Autoleucel in Adults with Relapsed/ Refractory B-Cell ALL: Outcomes and Novel Insights from the Real-World Outcomes Collaborative of CAR T in Adult ALL (ROCCA)**
Roloff, G. W., Aldoss, I., Kopmar, N. E., Lin, C., Dekker, S. E., Gupta, V. K., Jeyakumar, N., O'Connor, T. E., Zhang, A., Miller, K., Dykes, K. C., Ahmed, M., Zambrano, et al
AMER SOC HEMATOLOGY.2023
- **Post-Hoc Analysis of Measurable Residual Disease from BMT-CTN 1506/Morpho: FLT3ITD Variant Allele Frequency and Survival Are Highly Correlated**
Levis, M. J., Hamadani, M., Logan, B. R., Jones, R. J., Singh, A. K., Litzow, M. R., Wingard, J. R., Papadopoulos, E. B., Perl, A., Soiffer, R. J., Ustun, C., Oshima, M., Uy, 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
- **Final Results from Phase 1 Study of Briquilimab, an Anti-CD117 Monoclonal Antibody, in Combination with Low Dose Irradiation and Fludarabine Conditioning, Shows Durable Remissions in Older Adults with Acute Myeloid Leukemia in Complete Remission and Myelodysplastic Syndrome Undergoing Allogeneic Hematopoietic Cell Transplantation**
Gandhi, A., Artz, A., Lee, C. J., Varma, A., Scott, B. L., Kwon, H., Youn, M., Yanagiba, C., Arulprakasam, J., Le, A., Shizuru, J., Pang, W. W., Muffly, et al
AMER SOC HEMATOLOGY.2023

- **Optimizing Outcomes with Myeloablative Conditioning in Older Patients: Efficacy and Safety of Precision Engineered Orca-T in Patients > 55 Years Old with Hematologic Malignancies**
Oliai, C. H., Pantin, J. M., Hoeg, R. T., Muffly, L. S., Patel, S. S., Gandhi, A., Lowsky, R., Salhotra, A., Dholaria, B., Waller, E. K., Srour, S. A., Pavlova, A., Fernhoff, et al
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- **PRECISION-ENGINEERED CELL THERAPY ORCA-T DEMONSTRATES HIGH RELAPSE-FREE SURVIVAL AT 1 YEAR WHILE REDUCING GRAFT-VERSUS-HOST DISEASE AND TOXICITY**
Oliai, C., Hoeg, R., Pavlova, A., Gandhi, A., Muffly, L., Mehta, R., Srour, S., Waller, E., Lowsky, R., Patel, S., Dholaria, B., Pantin, J., Salhotra, et al
SPRINGERNATURE.2023: 230-231
- **SOCIAL FUNCTIONING AFTER TRANSPLANTATION AND CELLULAR THERAPY: INITIAL PATIENT-REPORTED OUTCOMES RESULTS FROM THE CIBMTR**
Cusatis, R., Ndifon, E., Mattila, D., Berman, L., Akinola, I., Kapfhammer, M., Jacox, C., Luetke, C., Hamilton, B., Muffly, L., Shaughnessy, P., Shaw, B., Flynn, et al
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- **GVHD ASSESSMENT IN PHASE 1 STUDY OF BRIQUILIMAB (JSP191), LOW DOSE IRRADIATION AND FLUDARABINE CONDITIONING IN OLDER ADULTS WITH MDS/AML UNDERGOING ALLOGENEIC HCT**
Youn, M., Muffly, L., Artz, A., Lee, C., Gandhi, A., Varma, A., Scott, B., Yanagiba, C., Tiwari, R., Arulprakasam, J., Le, A., Shizuru, J., Kwon, et al
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- **Impact of Specialized Treatment Setting on Survival in Adolescent and Young Adult ALL. *JCO oncology practice***
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- **Bendamustine vs. fludarabine/cyclophosphamide lymphodepletion prior to BCMA CAR-T cell therapy in multiple myeloma. *Blood cancer journal***
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- **INSPIRED Symposium Part 4A: Access to CAR T cell Therapy in Unique Populations with B-cell Acute Lymphoblastic Leukemia. *Transplantation and cellular therapy***
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- **Precision-Engineered Cell Therapy Orca-T Demonstrates High Relapse-Free Survival at 1 Year While Reducing Graft-Versus-Host Disease (GvHD) and Toxicity**
Salhotra, A., Oliai, C., Hoeg, R. T., Gandhi, A., Muffly, L., Srour, S. A., Waller, E., Lowsky, R., Patel, S., Pantin, J., Dholaria, B., Pavlova, A., Fernhoff, et al
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- **Clinical Outcomes and Treatment Patterns in Adult Patients With FMS-Like Tyrosine Kinase 3 Internal Tandem Duplication Positive Acute Myeloid Leukemia Undergoing Allogeneic Hemopoietic Cell Transplantation in the US and Canada: CIBMTR® (Center for International Blood and Marrow Transplant Research Analysis)**
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- **Implementation of a Pilot Clinic for Pediatric to Adult Cancer Survivorship Transitions. *Journal of adolescent and young adult oncology***
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- **Outcomes following brexucabtagene autoleucel administered as an FDA-approved therapy for adults with relapsed/refractory B-ALL.**
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- **Next-Generation Sequencing-Based MRD in Adults with ALL Undergoing Hematopoietic Cell Transplantation.** *Blood advances*
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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
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- **Comparison of Vital Status and Cause-Specific Mortality after Hematopoietic Cell Transplantation between the Center for International Blood and Marrow Transplant Research and the California Cancer Registry: A Record-Linkage Analysis from 1991 to 2018**
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- **Subsequent Solid Neoplasms Following Hematopoietic Cell Transplantation (HCT) for Hematologic Malignancies: Comparing Center for International Blood and Marrow Transplant Research (CIBMTR) and California Cancer Registry (CCR) Data**
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- **Utilization of Autologous HCT in Multiple Myeloma: A Novel Linkage of CIBMTR, Cancer Registry and Hospitalization Data in California**
Esteghamat, N. S., Brunson, A. M., Wun, T., Rosenberg, A. S., Cooley, J. P., Schonfeld, S. J., Meyer, C. L., Valcarcel, B., Abrahao, R., Auletta, J., Morton, L. M., Muffly, L., Keegan, et al
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- **Real World Outcomes in Acute Myeloid Leukemia Patients Following Post Hematopoietic Stem-Cell Transplantation Maintenance Treatment with Midostaurin or Sorafenib: A US Retrospective Cohort Study**
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- **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**
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- **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
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- **Analysis of Bendamustine Lymphodepletion, CD19 CART Expansion, Safety and Efficacy in Patients with Rel/Ref NonHodgkin Lymphoma**
Bharadwaj, S., Hamilton, M. P., Sahaf, B., Tamareisis, J., Patil, S., Hanson, P. J., Latchford, T., Arai, S., Johnston, L. J., Lowsky, R., Negrin, R. S., Rezvani, A. R., Shizuru, et al
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- **Interim Update on the 'Watch' Registry, a Real-World Observational Study Using Clonoseq (R) to Monitor MRD in Lymphoid Malignancies**
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- **Geographical Barriers to Accessing Specialty Cancer Care Among Adolescents and Young Adults with Acute Lymphoblastic Leukemia**
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- **Ultra-Sensitive Next-Generation Sequencing Establishes the Prognostic Value of Very Low MRD in Adults with Acute Lymphoblastic Leukemia Undergoing Hematopoietic Cell Transplantation**
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- **Precision-Engineered Cell Therapy Orca-T Demonstrates High Relapse-Free Survival at 1 Year While Reducing Graft-Versus-Host Disease and Toxicity**
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- **Impact on caregivers and families of patients receiving chimeric antigen receptor T-cell therapy: a prospective longitudinal mixed methods study**
Litovich, C., Piehowski, C., Akinola, I., Crawford, E., D'Souza, A., Frank, M., Flynn, K., Knight, J., Lahijani, S., Miklos, D., Muffly, L., Sadana, S., Shah, et al
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- **Continuous EEG monitoring detects nonconvulsive seizure and Ictal-Interictal Continuum abnormalities in moderate to severe ICANS following systemic CAR-T therapy** *NEUROHOSPITALIST*
Satyanarayan, S., Spiegel, J., Hovsepian, D., Markert, M., Thomas, R., Muffly, L., Miklos, D., Graber, K., Scott, B. J.
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- **CT-095 Disparities and Incomplete Capture of Race/Ethnicity Data in Adults With Hematologic Malignancies Referred for Cellular Therapies.** *Clinical lymphoma, myeloma & leukemia*
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- **Linking the Center for International Blood and Marrow Transplant Research (CIBMTR) Registry to the California Cancer Registry and California Hospital Patient Discharge Data.** *Transplantation and cellular therapy*
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 - **SOHO State of the Art Updates and Next Questions: Measurable Residual Disease in Acute Lymphoblastic Leukemia - Optimization and Innovation in 2022 and Beyond.** *Clinical lymphoma, myeloma & leukemia*
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 - **Measurable Residual Disease in Acute Lymphoblastic Leukemia: Techniques and Therapeutic Utility** *CLINICAL ADVANCES IN HEMATOLOGY & ONCOLOGY*
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 - **Reverse fate mapping of CD19-targeted CAR T cells in patients with large B-cell lymphoma**
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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
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 - **Correction to: Measurable residual disease status and FLT3 inhibitor therapy in patients with FLT3-ITD mutated AML following allogeneic hematopoietic cell transplantation.** *Bone marrow transplantation*
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- **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**
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- **Enrollment Characteristics and Outcomes of Hispanic and Black AYA ALL Patients Enrolled on a US Intergroup Clinical Trial: A Comparison of the CALGB 10403 (Alliance) Cohort with US Population-Level Data**
Muffly, L., Yin, J., Jacobson, S., Advani, A., Luger, S. M., Tallman, M. S., Litzow, M. R., Foster, M. C., Appelbaum, F. R., Larson, R. A., Keegan, T., Stock, W.
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- **First Salvage Therapy for Relapsed or Refractory Acute Myeloid Leukemia: Associated Health Care Resource Use and Costs**
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- **Worsening Financial Toxicity Among Patients Receiving Chimeric Antigen Receptor t-Cell (CAR-T) Therapy: A Mixed Methods Longitudinal Study**
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- **Do PROs Tell the Whole Story? Differential Outcomes Based on Patient-Reported Outcomes (PROs) Versus Performance-Based Metrics (PBM) on Cognition for Patients Receiving Chimeric Antigen Receptor (CAR)-T Cell Therapy**
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- **Incidence and risk factors associated with bleeding and thrombosis following chimeric antigen receptor T-cell therapy** *BLOOD ADVANCES*
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- **Chimeric Antigen Receptor-T Cell Therapy in Adults with B-Cell Acute Lymphoblastic Leukemia: A Systematic Review.** *Blood advances*
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- **Measurable Residual Disease in Acute Lymphoblastic Leukemia: Optimization and Innovation in 2021 and Beyond**
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- **Measurable Residual Disease Status and FLT3 Inhibitor Therapy in Patients with FLT3-ITD-Mutated AML Following Allogeneic Hematopoietic Cell Transplantation**
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- **Frontline treatment patterns and outcomes among older adults with acute myeloid leukemia: A population-based analysis in the modern era.** *Cancer*
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Bankova, A., Caveney, J., Ramos, T., Bogeholz, J., Heydari, K., Diaz, N., Jackson, M., Lowsky, R., Brown, J., Johnston, L., Rezvani, A., Frank, M., Muffly, et al
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- **Phase 2 study of MGTA-145+plerixafor for rapid and reliable hematopoietic stem cell (HSC) mobilization for autologous transplant in multiple myeloma.**
Sidana, S., Bankova, A., Hosoya, H., Muffly, L. S., Kumar, S., Johnston, L. J., Lowsky, R., Meyer, E., Rezvani, A., Weng, W., Arai, S., Frank, M., Shiraz, et al
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