Stanford



Jessie Lee Ann Alexander

Clinical Associate Professor, Pediatrics - Stem Cell Transplantation

CLINICAL OFFICE (PRIMARY)

- **Pediatric Stem Cell Transplantation**

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Bio

CLINICAL FOCUS

- Pediatric Hematology-Oncology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Stem Cell Transplantation
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Medical Director, Stanford Pediatric Stem Cell Transplantation, (2025- present)

PROFESSIONAL EDUCATION

- Medical Education: Creighton University School of Medicine Registrar (2019) NE
- Board Certification: Pediatric Hematology-Oncology, American Board of Pediatrics (2017)
- Fellowship: St Jude Children's Research Hospital Bone Marrow Transplant and Cellular Therapy Fellowshop (2016) TN
- Fellowship: University of Minnesota Pediatric Hematology/Oncology Fellowship (2015) MN
- Board Certification: Pediatrics, American Board of Pediatrics (2012)
- Residency: Stanford University Pediatric Residency at Lucile Packard Children's Hospital (2012) CA

Research & Scholarship

CLINICAL TRIALS

- A Study of CC-97540 (BMS-986353), CD19-Targeted NEX-T CAR T Cells, in Participants With Active SLE Despite Immunosuppressants (Breakfree-SLE), Recruiting
- CD4^LVFOXP3 in Participants With IPEX, Recruiting
- Viral Specific T-Lymphocytes to Treat Infection With Adenovirus, Cytomegalovirus or Epstein-Barr Virus in Patients With Compromised Immunity, Recruiting
- Phase 1b/2a Trial of Allogeneic HSCT From an HLA-partially Matched Related or Unrelated Donor After TCRab+ T-cell/CD19+ B-cell Depletion for Patients With Monogenic and/or Early-onset Medically Refractory Crohn Disease, Not Specified

Publications

PUBLICATIONS

- **Can we eliminate TBI/Busulfan and GVHD in Fanconi anemia transplantation? Results from a prospective haploidentical transplant approach**

  Bertaina, A., Czechowicz, A., Hiroshima, L., Kunte, N., Klinger, E., Saini, G., John, T., Alexander, J., Shyr, D., Shah, A., Klein, O., Boyel, J., Boelens, et al

  SPRINGERNATURE.2026: 122-123

- **Phase 1 gene therapy for patients with IPEX syndrome: preliminary in vivo data of the treatment with engineered Treg-like cell CD4^{LVFOXP3}**

  Alexander, J. L., Agarwal, R., Namjoshi, S., Ramachandran, A., Wang, B., Borna, S., Shah, S., Schaefer, K., Alkayed, A., Kuo, Y., Wani, P., Faseli, F., Kandar, et al

  SPRINGERNATURE.2026: 48-49

- **Autologous stem cell transplantation (ASCT) for Refractory juvenile-onset systemic sclerosis (JSSc).** *Annals of the rheumatic diseases*

  Torok, K. S., Horvei, P., Li, J., Rosser, F., Alexander, J. L., Rose-Felker, K., Sood, V., Olson, A., Hogue, N., Vandergrift, V., Stanczak, H., Miglioretti, M., Farver, et al

  2026

- **Refractory infantile IPEX with Treg-restricted FOXP3null expression caused by a novel variant in FOXP3.** *Journal of human immunity*

  Rayes, A., Ramachandran, A., Pulsipher, M. A., Dolan, J. G., Cho, S., Johnson, A. K., Alexander, J. L., Borna, S., Bacchetta, R.

  2026; 2 (3): e20250249

- **Autologous Stem Cell Transplantation for Refractory Juvenile-Onset Systemic Sclerosis**

  Horvei, P., Li, J., Rosser, F., Rose-Felker, K., Alexander, J. L., Hogue, N., Mcintyre, S., Koshy, L., Olson, A., Torok, K., Szabolcs, P.

  ELSEVIER SCIENCE INC.2026: S39-S40

- **Model-Based ATG Dosing Optimization in Ab Haplo-HSCT: Improved Pre-HSCT Exposure Consistency and Viral Infection Analysis**

  Shyr, D. C., Hiroshima, L., John, T. D., Barbarito, G., Agarwal, R., Alexander, J. L., Shah, A. J., Li, T., Chang, I., Arreola, V., Boelens, J., Bertaina, A.

  ELSEVIER SCIENCE INC.2026

- **Hematopoietic Cell Transplantation for Wiskott-Aldrich syndrome: A PIDTC Report.** *Blood advances*

  Alexander, J. L., Dávila Saldaña, B. J., Brazauskas, R., Dammalapati, S. G., Griffith, L. M., Shah, A. J., Shimano, K. A., Ochs, H. D., Bleesing, J., Ebens, C. L., Kapadia, M., Bauchat, A., Kapoor, et al

  2025

- **Outcomes Following Matched Sibling Donor Transplantation for Severe Combined Immunodeficiency: A Report from the PIDTC.** *Blood advances*

  Rayes, A., Logan, B. R., Liu, X., Dara, J., Buckley, R. H., Oved, J. H., Kapoor, N., Kapadia, M., Chandra, S., Martinez, C. A., Bunin, N., Chandrakasan, S., Chen, et al

  2025

- **Marrow-ly we learn along: A needs assessment of the educational needs of pediatric and young adult patients with bone marrow failure**

  Bowman, S., de Jong, J., Alexander, J., Ilonze, C., Rose, M.

  ELSEVIER.2025: 2861-2862

- **Improvement Across Multi-organ Domains and Patient Reported Outcomes in Refractory Juvenile-Onset Systemic Sclerosis (jSSc) up to 4 Years After Autologous Stem Cell Transplantation (ASCT)**

  Li, J., Horvei, P., Rosser, F., Rose-Felker, K., Sood, V., Olson, A., Vandergrift, V., Hogue, N., Farver, L., Mcguire, D., Havrilla, H., Alexander, J., McIntyre, et al

  WILEY.2024: 4985-4988

- **Improvement in Clinical and Patient-Reported Outcomes for Refractory Juvenile-Onset Systemic Sclerosis (jSSc) 6 Months to 2 Years After Autologous Stem Cell Transplantation (ASCT)**

  Torok, K., Horvei, P., Rosser, F., Rose-Felker, K., Sood, V., Olsen, A., Hogue, N., Vandergrift, V., Farver, L., Mcguire, D., Li, J., Havrilla, H., Alexander, et al

  WILEY.2023: 5204-5206