Stanford

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Publications

PUBLICATIONS

- **Engineering hematopoietic stem and progenitor cells to generate red blood cells as viral traps against HIV-1** *MOLECULAR THERAPY ADVANCES*
  Luna, S. E., Feist, W. N., Ben-Efraim, K., Pendergast, A., Ekman, F. K., Hernandez-Naughton, B., Merritt-Garza, M., Romero, K., Kostamo, Z., Amorin, N. A., Johnston, N. M., Ghanim, H. Y., Sheehan, et al
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- **HDR-GPT: An agentic AI platform for optimized homology-directed repair in primary human cells using HiFi Cas9**
  Ekman, F., Hui, S., Ghanim, H., Selvaraj, S., Russkamp, N., Cong, L., Porteus, M.
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- **A modular genetic toolkit for lineage-specific transgene expression across the human hematopoietic system**
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- **Engineered hematopoietic stem cells give rise to therapeutic antibody secreting B cells.** *Research square*
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- **Engineered Hematopoietic Stem Cells Give Rise to Therapeutic Antibody Secreting B Cells**
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- **Advancing X-Linked Agammaglobulinemia Therapy: A Universal Gene Targeting-Based Correction**
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- **Gene regulation in inborn errors of immunity: Implications for gene therapy design and efficacy.** *Immunological reviews*
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- **Genetically Corrected RAG2-SCID Human Hematopoietic Stem Cells Restore V(D)J-Recombinase and Rescue Lymphoid Deficiency.** *Blood advances*
  Pavel-Dinu, M., Gardner, C. L., Nakauchi, Y., Kawai, T., Delmonte, O. M., Palterer, B., Bosticardo, M., Pala, F., Viel, S., Malech, H. L., Ghanim, H. Y., Bode, N. M., Kurgan, et al
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- **Engineering a Potential Curative Treatment for Hemophilia A Using an AAV Dual Targeting Strategy**
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- **Gibbin mesodermal regulation patterns epithelial development.** *Nature*
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- **Allele-Specific Gene Editing Rescues Pathology in a Human Model of Charcot-Marie-Tooth Disease Type 2E** *FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY*
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