

Freja Kjellaug Amalia Ekman

- MD Student with Scholarly Concentration in Bioengineering, expected graduation Spring 2026
- Ph.D. Student in Genetics with Scholarly Concentration in Bioengineering, admitted Autumn 2023

Publications

PUBLICATIONS

- **Engineered hematopoietic stem cells give rise to therapeutic antibody secreting B cells.** *Research square*
Porteus, M., Luna, S., Feist, W., Utz, A., Afaghani, J., Miyauchi, M., Ghanim, H., Ekman, F., Amaya, A., Selvaraj, S., Russkamp, N., Schmiderer, L.
2026
- **Reflections in focus: a qualitative Photovoice-informed study on pediatric patient and caregiver hospital experiences.** *BMC pediatrics*
Ekman, F. K., Torto, N. M., Hu, K., Bowman, C., Fariyike, O. A., Yates, J. J., Payra, S., Khalil, C. B., Yoseph, E. T., Ings, R. M., Reed, R. E., Rodriguez, S. T.
2026
- **Engineered Hematopoietic Stem Cells Give Rise to Therapeutic Antibody Secreting B Cells**
Luna, S., Feist, W., Utz, A., Ghanim, H., Miyauchi, M., Selvaraj, S., Amaya, A., Ekman, F., Russkamp, N., Schmiderer, L., Porteus, M.
CELL PRESS.2025
- **Allele-Specific CRISPR/AAV6 Gene Correction of Dominant *JAK2*-V617F Mutation in Polycythemia Vera**
Ekman, F., Selvaraj, S., Gotlib, J., Cromer, K., Porteus, M.
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- **Engineering synthetic signaling receptors to enable erythropoietin-free erythropoiesis.** *Nature communications*
Shah, A. P., Majeti, K. R., Ekman, F. K., Selvaraj, S., Sharma, D., Sinha, R., Soupene, E., Chati, P., Luna, S. E., Charlesworth, C. T., McCreary, T., Lesch, B. J., Tran, et al
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- **Targeting the *JAK2*-V617F Mutation in Polycythemia Vera Using CRISPR/AAV6 Genome Editing**
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- **High-efficiency transgene integration by homology-directed repair in human primary cells using DNA-PKcs inhibition.** *Nature biotechnology*
Selvaraj, S., Feist, W. N., Viel, S., Vaidyanathan, S., Dudek, A. M., Gastou, M., Rockwood, S. J., Ekman, F. K., Oseghale, A. R., Xu, L., Pavel-Dinu, M., Luna, S. E., Cromer, et al
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