



Samantha Glynn Scharenberg

- MD Student, expected graduation Spring 2023
- MSTP Student

Publications

PUBLICATIONS

- **CRISPR/Cas9 Genome Engineering in Engraftable Human Brain-Derived Neural Stem Cells.** *iScience*
Dever, D. P., Scharenberg, S. G., Camarena, J., Kildebeck, E. J., Clark, J. T., Martin, R. M., Bak, R. O., Tang, Y., Dohse, M., Birgmeier, J. A., Jagadeesh, K. A., Bejerano, G., Tsukamoto, et al
2019; 15: 524–35
- **Genome Edited Human Hematopoietic Stem Cells Correct Lysosomal Storage Disorders: Proof-of-Concept and Safety Studies for Mucopolysaccharidosis Type I and Gaucher Disease**
Gomez-Ospina, N., Scharenberg, S., Mostrel, N., Raj, N., Attardi, L., Khan, S., Tomatsu, S., Lee, C., Bao, G., Porteus, M. H.
CELL PRESS.2019: 329
- **Human genome-edited hematopoietic stem cells phenotypically correct Mucopolysaccharidosis type I.** *Nature communications*
Gomez-Ospina, N., Scharenberg, S. G., Mostrel, N., Bak, R. O., Mantri, S., Quadros, R. M., Gurumurthy, C. B., Lee, C., Bao, G., Suarez, C. J., Khan, S., Sawamoto, K., Tomatsu, et al
2019; 10 (1): 4045
- **Engineering the Hematopoietic System for Lysosomal Storage Disorders: Correction of Mucopolysaccharidosis Type I Using Genome-Edited, Human Hematopoietic Stem and Progenitor Cells**
Gomez-Ospina, N., Scharenberg, S., Mostrel, N., Mantri, S., Nicolas, C., Porteus, M. M.
CELL PRESS.2018: 310–11
- **Engineering blood stem cells for autologous transplants for lysosomal diseases: Correction of mucopolysaccharidosis type I using genome-edited hematopoietic stem and progenitor cells**
Gomez-Ospina, N., Scharenberg, S. G., Mantri, S., Nicolas, C., Bak, R. O., Porteus, M. H.
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