

Stanford



Selin Jessa

Postdoctoral Scholar, Genetics

Bio

STANFORD ADVISORS

- Anshul Kundaje, Postdoctoral Research Mentor
- William Greenleaf, Postdoctoral Faculty Sponsor

LINKS

- My site: www.selinjessa.com

Publications

PUBLICATIONS

- **Multomics and deep learning dissect regulatory syntax in human development.** *Nature*
Liu, B. B., Jessa, S., Kim, S. H., Ng, Y. T., Higashino, S. I., Marinov, G. K., Chen, D. C., Parks, B. E., Li, L., Nguyen, T. C., Wang, A. T., Wang, S. K., Tan, et al
2026
- **Sensitive, direct detection of non-coding off-target base editor unwinding and editing in primary cells.** *bioRxiv : the preprint server for biology*
Wang, T., Jessa, S., Marinov, G. K., Klemm, S., Kundaje, A., Greenleaf, W. J.
2025
- **FOXR2 Targets LHX6⁺/DLX⁺ Neural Lineages to Drive Central Nervous System Neuroblastoma** *CANCER RESEARCH*
Jessa, S., De Cola, A., Chandarana, B., McNicholas, M., Hebert, S., Ptack, A., Faury, D., Tsai, J. W., Korshunov, A., Phoenix, T. N., Ellezam, B., Jones, D. T. W., Taylor, et al
2025; 85 (2): 231-250
- **K27M in canonical and noncanonical H3 variants occurs in distinct oligodendroglial cell lineages in brain midline gliomas** *NATURE GENETICS*
Jessa, S., Mohammadnia, A., Harutyunyan, A. S., Hulswit, M., Varadharajan, S., Lakkis, H., Kabir, N., Bashardanesh, Z., Hebert, S., Faury, D., Vladoiu, M. C., Worme, S., Coutelier, et al
2022; 54 (12): 1865-1880
- **Histone H3.3G34-Mutant Intemeuron Progenitors Co-opt PDGFRA for Gliomagenesis** *CELL*
Chen, C. C. L., Deshmukh, S., Jessa, S., Hadjadj, D., Lisi, V., Andrade, A., Faury, D., Jawhar, W., Dali, R., Suzuki, H., Pathania, M., Deli, A., Dubois, et al
2020; 183 (6): 1617-+
- **Stalled developmental programs at the root of pediatric brain tumors** *NATURE GENETICS*
Jessa, S., Blanchet-Cohen, A., Vladoiu, M., Coutelier, M., Faury, D., Poreau, B., De Jay, N., Hebert, S., Monlong, J., Farmer, W., Donovan, L. K., Hu, et al
2019; 51 (12): 1702-+

- **Mapping the regulatory effects of common and rare non-coding variants across cellular and developmental contexts in the brain and heart.** *bioRxiv : the preprint server for biology*
Marderstein, A. R., Kundu, S., Padhi, E. M., Deshpande, S., Wang, A., Robb, E., Sun, Y., Yun, C. M., Pomales-Matos, D., Xie, Y., Nachun, D., Jessa, S., Kundaje, et al
2025
- **Immune landscape of oncohistone-mutant gliomas reveals diverse myeloid populations and tumor-promoting function** *NATURE COMMUNICATIONS*
Andrade, A., Annett, A., Karimi, E., Topouza, D., Rezanejad, M., Liu, Y., McNicholas, M., Santiago, E., Llivichuzhca-Loja, D., Gehlhaar, A., Jessa, S., De Cola, A., Chandarana, et al
2024; 15 (1): 7769
- **ZFTA-RELA Dictates Oncogenic Transcriptional Programs to Drive Aggressive Supratentorial Ependymoma** *CANCER DISCOVERY*
Arabzade, A., Zhao, Y., Varadharajan, S., Chen, H., Jessa, S., Rivas, B., Stuckert, A. J., Solis, M., Kardian, A., Tlais, D., Golbourn, B. J., Stanton, A. J., Chan, et al
2021; 11 (9): 2200-2215
- **chromswitch: a flexible method to detect chromatin state switches** *BIOINFORMATICS*
Jessa, S., Kleinman, C. L.
2018; 34 (13): 2286-2288
- **Enhancing knowledge discovery from cancer genomics data with Galaxy** *GIGASCIENCE*
Albuquerque, M. A., Grande, B., Ritch, E. J., Pararajalingam, P., Jessa, S., Krzywinski, M., Grewal, J. K., Shah, S. P., Boutros, P. C., Morin, R. D.
2017; 6 (5): 1-13