

Stanford

Julia Belk

Postdoctoral Scholar, Dermatology

Bio

STANFORD ADVISORS

- Howard Chang, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Clonal hematopoiesis is associated with protection from Alzheimer's disease.** *Nature medicine*
Bouzid, H., Belk, J. A., Jan, M., Qi, Y., Sarnowski, C., Wirth, S., Ma, L., Chrostek, M. R., Ahmad, H., Nachun, D., Yao, W., Beiser, A., Bick, et al
2023
- **A Cre-deleter specific for embryo-derived brain macrophages reveals distinct features of microglia and border macrophages.** *Immunity*
Brioschi, S., Belk, J. A., Peng, V., Molgora, M., Rodrigues, P. F., Nguyen, K. M., Wang, S., Du, S., Wang, W. L., Grajales-Reyes, G. E., Ponce, J. M., Yuede, C. M., Li, et al
2023
- **Enhanced T cell effector activity by targeting the Mediator kinase module.** *Science (New York, N.Y.)*
Freitas, K. A., Belk, J. A., Sotillo, E., Quinn, P. J., Ramello, M. C., Malipatlolla, M., Daniel, B., Sandor, K., Klysz, D., Bjelajac, J., Xu, P., Burdsall, K. A., Tieu, et al
2022; 378 (6620): eabn5647
- **Genome-wide CRISPR screens of T cell exhaustion identify chromatin remodeling factors that limit T cell persistence.** *Cancer cell*
Belk, J. A., Yao, W., Ly, N., Freitas, K. A., Chen, Y. T., Shi, Q., Valencia, A. M., Shifrut, E., Kale, N., Yost, K. E., Duffy, C. V., Daniel, B., Hwee, et al
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- **Epigenetic regulation of T cell exhaustion.** *Nature immunology*
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- **Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions.** *Cell*
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2024; 187 (3): 733-749.e16
- **Coordinated inheritance of extrachromosomal DNA species in human cancer cells.** *bioRxiv : the preprint server for biology*
Hung, K. L., Jones, M. G., Wong, I. T., Lange, J. T., Luebeck, J., Scanu, E., He, B. J., Brückner, L., Li, R., González, R. C., Schmargen, R., Dörr, J. R., Belk, et al
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- **Aberrant activation of TCL1A promotes stem cell expansion in clonal haematopoiesis.** *Nature*
Weinstock, J. S., Gopakumar, J., Burugula, B. B., Uddin, M. M., Jahn, N., Belk, J. A., Bouzid, H., Daniel, B., Miao, Z., Ly, N., Mack, T. M., Luna, S. E., Prothro, et al
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- **Cis interactions in the Irf8 locus regulate stage-dependent enhancer activation.** *Genes & development*
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- **Enhanced effector activity of mediator CDK8 kinase module deficient CAR-T Cells**
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AMER ASSOC CANCER RESEARCH.2022
- **Dissecting the role of Stag2 in lung adenocarcinoma**
Ashkin, E. L., Cai, H., Tang, Y. J., Li, C., Chew, S., Hung, K., Belk, J., Karmakar, S., Hebert, J., Yousefi, M., Swanton, C., Petrov, D. A., Winslow, et al
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- **Leveraging nonstructural data to predict structures and affinities of protein-ligand complexes.** *Proceedings of the National Academy of Sciences of the United States of America*

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2021

• **Clonal Hematopoiesis is Associated with Reduced Risk of Alzheimer's Disease**

Bouzid, H., Belk, J., Jan, M., Qi, Y., Sarnowski, C., Wirth, S., Ma, L., Chrostek, M., Ahmad, H., Nachun, D., Yao, W., Beiser, A., Bick, et al
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• **A human mutation in STAT3 promotes type 1 diabetes through a defect in CD8+ T cell tolerance.** *The Journal of experimental medicine*

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• **Transient rest restores functionality in exhausted CAR-T cells through epigenetic remodeling.** *Science (New York, N.Y.)*

Weber, E. W., Parker, K. R., Sotillo, E., Lynn, R. C., Anbunathan, H., Lattin, J., Good, Z., Belk, J. A., Daniel, B., Klysz, D., Malipatlolla, M., Xu, P., Bashti, et al
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