

Jacob Blum

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Bio

STANFORD ADVISORS

- William Greenleaf, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Genome-wide CRISPR screen reveals v-ATPase as a drug target to lower levels of ALS protein ataxin-2.** *Cell reports*
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- **Transcriptional dynamics of murine motor neuron maturation in vivo and in vitro.** *Nature communications*
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- **Heat-shock chaperone HSPB1 regulates cytoplasmic TDP-43 phase separation and liquid-to-gel transition.** *Nature cell biology*
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2022
- **Singling out motor neurons in the age of single-cell transcriptomics.** *Trends in genetics : TIG*
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- **Neurotoxic reactive astrocytes induce cell death via saturated lipids.** *Nature*
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- **Single-cell transcriptomic analysis of the adult mouse spinal cord reveals molecular diversity of autonomic and skeletal motor neurons.** *Nature neuroscience*
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2021
- **p53 is a central regulator driving neurodegeneration caused by C9orf72 poly(PR).** *Cell*
Maor-Nof, M. n., Shipony, Z. n., Lopez-Gonzalez, R. n., Nakayama, L. n., Zhang, Y. J., Couthouis, J. n., Blum, J. A., Castruita, P. A., Linares, G. R., Ruan, K. n., Ramaswami, G. n., Simon, D. J., Nof, et al
2021
- **A Role for Microglia in Retinal Development.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Guttenplan, K., Blum, J., Bennett, M.
2018; 38 (43): 9126–28
- **A Role for Microglia in Retinal Development** *JOURNAL OF NEUROSCIENCE*
Guttenplan, K., Blum, J., Bennett, M.

