

# Stanford

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## Belgin Yalcin

Instructor, Neurology & Neurological Sciences

### Bio

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#### ACADEMIC APPOINTMENTS

- Instructor, Neurology & Neurological Sciences

### Publications

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#### PUBLICATIONS

- **Glioma synapses recruit mechanisms of adaptive plasticity.** *Nature*

Taylor, K. R., Barron, T., Hui, A., Spitzer, A., Yalcin, B., Ivec, A. E., Geraghty, A. C., Hartmann, G. G., Arzt, M., Gillespie, S. M., Kim, Y. S., Maleki Jahan, S., Zhang, et al  
2023

- **BMAL1 loss in oligodendroglia contributes to abnormal myelination and sleep.** *Neuron*

Rojo, D., Dal Cengio, L., Badner, A., Kim, S., Sakai, N., Greene, J., Dierckx, T., Mehl, L. C., Eisinger, E., Ransom, J., Arellano-Garcia, C., Gumma, M. E., Soyk, et al  
2023

- **GABAERGIC NEURON-TO-GLIOMA SYNAPSES IN DIFFUSE MIDLINE GLIOMAS**

Barron, T., Yalcin, B., Mochizuki, A., Cantor, E., Shamardani, K., Tlais, D., Franson, A., Lyons, S., Mehta, V., Jahan, S., Taylor, K., Keough, M., Xu, et al  
OXFORD UNIV PRESS INC.2023

- **Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation.** *Cell*

Fernández-Castañeda, A., Lu, P., Geraghty, A. C., Song, E., Lee, M. H., Wood, J., O'Dea, M. R., Dutton, S., Shamardani, K., Nwangwu, K., Mancusi, R., Yalçın, B., Taylor, et al  
2022

- **NF1 mutation drives neuronal activity-dependent initiation of optic glioma.** *Nature*

Pan, Y., Hysinger, J. D., Barron, T., Schindler, N. F., Cobb, O., Guo, X., Yalcin, B., Anastasaki, C., Mulinyawe, S. B., Ponnuswami, A., Scheaffer, S., Ma, Y., Chang, et al  
2021

- **Microenvironmental interactions of oligodendroglial cells.** *Developmental cell*

Yalçın, B., Monje, M.  
2021

- **How Support of Early Career Researchers Can Reset Science in the Post-COVID19 World.** *Cell*

Gibson, E. M., Bennett, F. C., Gillespie, S. M., Guler, A. D., Gutmann, D. H., Halpern, C. H., Kucenas, S. C., Kushida, C. A., Lemieux, M., Liddelow, S., Macauley, S. L., Li, Q., Quinn, et al  
2020

- **Bespoke myelin tailored to neuron type.** *Science (New York, N.Y.)*

Yalçın, B. n., Monje, M. n.

2020; 370 (6523): 1414–15

● **Monosynaptic tracing maps brain-wide afferent oligodendrocyte precursor cell connectivity.** *eLife*

Mount, C. W., Yalcin, B., Cunliffe-Koehler, K., Sundaresh, S., Monje, M.  
2019; 8

● **Modeling of axonal endoplasmic reticulum network by spastic paraplegia proteins** *ELIFE*

Yalcin, B., Zhao, L., Stofanko, M., O'Sullivan, N. C., Kang, Z., Roost, A., Thomas, M. R., Zaessinger, S., Blard, O., Patto, A. L., Sohail, A., Baena, V., Terasaki, et al  
2017; 6