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Bio

STANFORD ADVISORS

- Tony Wyss-Coray, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Cellular Aging Signatures in the Plasma Proteome Record Human Health and Disease.** *bioRxiv : the preprint server for biology*
Ding, D. Y., Bot, V. A., Chen, K. L., Groves, J., Pálovics, R., Masuda, D., Farinas, A., Oh, H. S., Wagner, V., Lu, N., Cruchaga, C., Isakova, A., Schott, et al
2026
- **MiRNAs shape mouse age-independent tissue adaptation to spaceflight via ECM and developmental pathways.** *Nature communications*
Grandke, F., Rishik, S., Wagner, V., Engel, A., Ludwig, N., Calcuttawala, K., Kern, F., Keller, V., Krawczyk, M., Stodiek, L., Ferguson, V., Roberts, A., Meese, et al
2026; 17 (1): 1387
- **Ageing promotes microglial accumulation of slow-degrading synaptic proteins.** *Nature*
Guldner, I. H., Wagner, V. P., Moran-Losada, P., Shi, S. M., Golub, S. W., Hevler, J. F., Chen, K., Meese, B. T., Ghoochani, A., Pulido, E., Oh, H. S., Le Guen, Y., Lu, et al
2026
- **Methylomes of human CD4 and CD8 memory T lymphocytes reveal tissue-specific epigenetic signatures for maintenance and recall function.** *Immunity & inflammation*
Deng, X., Du, W., Gasparoni, G., Salhab, A., Nordström, K., Li, J., Wagner, V., Zhang, E., Wachtlin, J., Bodo, J., Reinke, S., Lei, H., Perka, et al
2025; 1 (1): 13
- **Synaptic proteins that aggregate and degrade slower with aging accumulate in microglia.** *bioRxiv : the preprint server for biology*
Guldner, I. H., Wagner, V. P., Moran-Losada, P., Shi, S. M., Chen, K., Meese, B. T., Oh, H., Le Guen, Y., Lu, N., Wong, P. S., To, N. S., Garceau, D., Guo, et al
2025
- **A spatio-temporal brain miRNA expression atlas identifies sex-independent age-related microglial driven miR-155-5p increase.** *Nature communications*
Engel, A., Wagner, V., Hahn, O., Foltz, A. G., Atkins, M., Beganovic, A., Guldner, I. H., Lu, N., Saksena, A., Fischer, U., Ludwig, N., Meese, E., Wyss-Coray, et al
2025; 16 (1): 4588
- **A spatio-temporal brain miRNA expression atlas identifies sex-independent age-related microglial driven miR-155-5p increase.** *bioRxiv : the preprint server for biology*
Engel, A., Wagner, V., Hahn, O., Foltz, A. G., Atkins, M., Beganovic, A., Guldner, I. H., Lu, N., Saksena, A., Fischer, U., Ludwig, N., Meese, E., Wyss-Coray, et al
2025
- **Characterizing expression changes in noncoding RNAs during aging and heterochronic parabiosis across mouse tissues.** *Nature biotechnology*
Wagner, V., Kern, F., Hahn, O., Schaum, N., Ludwig, N., Fehlmann, T., Engel, A., Henn, D., Rishik, S., Isakova, A., Tan, M., Sit, R., Neff, et al

2023

- **Ageing-associated small RNA cargo of extracellular vesicles.** *RNA biology*
Kern, F., Kuhn, T., Ludwig, N., Simon, M., Groger, L., Fabis, N., Aparicio-Puerta, E., Salhab, A., Fehlmann, T., Hahn, O., Engel, A., Wagner, V., Koch, et al
2023; 20 (1): 482-494
- **miRNATissueAtlas2: an update to the human miRNA tissue atlas.** *Nucleic acids research*
Keller, A., Groger, L., Tschernig, T., Solomon, J., Laham, O., Schaum, N., Wagner, V., Kern, F., Schmartz, G. P., Li, Y., Borcharding, A., Meier, C., Wyss-Coray, et al
2021
- **Encyclopedia of tools for the analysis of miRNA isoforms** *BRIEFINGS IN BIOINFORMATICS*
Schmartz, G., Kern, F., Fehlmann, T., Wagner, V., Fromm, B., Keller, A.
2021; 22 (4)
- **miRTargetLink 2.0-interactive miRNA target gene and target pathway networks** *NUCLEIC ACIDS RESEARCH*
Kern, F., Aparicio-Puerta, E., Li, Y., Fehlmann, T., Kehl, T., Wagner, V., Ray, K., Ludwig, N., Lenhof, H., Meese, E., Keller, A.
2021; 49 (W1): W409-W416