

Stanford



Oliver Hahn

Postdoctoral Research Fellow, Neurology and Neurological Sciences

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Cologne (2018)
- Master of Science, Ruprecht Karl Universität Heidelberg (2015)
- Bachelor of Science, Technische Universität München (2012)

STANFORD ADVISORS

- Tony Wyss-Coray, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Tony Wyss-Coray, Wyss-Coray (11/5/2018)

Publications

PUBLICATIONS

- **GeneTrail 3: advanced high-throughput enrichment analysis.** *Nucleic acids research*
Gerstner, N., Kehl, T., Lenhof, K., Müller, A., Mayer, C., Eckhart, L., Grammes, N. L., Diener, C., Hart, M., Hahn, O., Walter, J., Wyss-Coray, T., Meese, et al
2020
- **Lipid-droplet-accumulating microglia represent a dysfunctional and proinflammatory state in the aging brain.** *Nature neuroscience*
Marschallinger, J., Iram, T., Zardeneta, M., Lee, S. E., Lehallier, B., Haney, M. S., Pluvinage, J. V., Mathur, V., Hahn, O., Morgens, D. W., Kim, J., Tevini, J., Felder, et al
2020
- **Ageing hallmarks exhibit organ-specific temporal signatures.** *Nature*
Scham, N., Lehallier, B., Hahn, O., Pálovics, R., Hosseinzadeh, S., Lee, S. E., Sit, R., Lee, D. P., Losada, P. M., Zardeneta, M. E., Fehlmann, T., Webber, J. T., McGeever, et al
2020
- **A single-cell transcriptomic atlas characterizes ageing tissues in the mouse.** *Nature*
2020
- **Loss of miR-210 leads to progressive retinal degeneration in *Drosophila melanogaster*** *LIFE SCIENCE ALLIANCE*
Weigelt, C. M., Hahn, O., Arlt, K., Gruhn, M., Jahn, A. J., Esser, J., Werner, J. A., Klein, C., Bueschges, A., Groenke, S., Partridge, L.
2019; 2 (1)
- **A nutritional memory effect counteracts benefits of dietary restriction in old mice.** *Nature metabolism*

Hahn, O., Drews, L. F., Nguyen, A., Tatsuta, T., Gkioni, L., Hendrich, O., Zhang, Q., Langer, T., Pletcher, S., Wakelam, M. J., Beyer, A., Grönke, S., Partridge, et al

2019; 1 (11): 1059–73

- **Hepatic gene body hypermethylation is a shared epigenetic signature of murine longevity.** *PLoS genetics*

Hahn, O., Stubbs, T. M., Reik, W., Grönke, S., Beyer, A., Partridge, L.

2018; 14 (11): e1007766

- **Expression of N471D strumpellin leads to defects in the endolysosomal system.** *Disease models & mechanisms*

Song, L., Rijal, R., Karow, M., Stumpf, M., Hahn, O., Park, L., Insall, R., Schröder, R., Hofmann, A., Clemen, C. S., Eichinger, L.

2018; 11 (9)

- **Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism.** *Genome biology*

Hahn, O., Grönke, S., Stubbs, T. M., Ficz, G., Hendrich, O., Krueger, F., Andrews, S., Zhang, Q., Wakelam, M. J., Beyer, A., Reik, W., Partridge, L.

2017; 18 (1): 56

- **The Sense of Smell Impacts Metabolic Health and Obesity.** *Cell metabolism*

Riera, C. E., Tsaousidou, E., Halloran, J., Follett, P., Hahn, O., Pereira, M. M., Ruud, L. E., Alber, J., Tharp, K., Anderson, C. M., Brönneke, H., Hampel, B., Filho, et al

2017; 26 (1): 198–211.e5

- **Fluoxetine treatment prevents the inflammatory response in a mouse model of posttraumatic stress disorder.** *Journal of psychiatric research*

Kao, C. Y., He, Z., Zannas, A. S., Hahn, O., Kühne, C., Reichel, J. M., Binder, E. B., Wotjak, C. T., Khaitovich, P., Turck, C. W.

2016; 76: 74–83

PRESENTATIONS

- A nutritional memory impairs transcriptional, metabolic and survival response to dietary restriction in mice - Cell Symposium on Aging and Metabolism (2018)
- A nutritional memory impairs transcriptional, metabolic and survival response to dietary restriction in mice - Healthy Ageing: From Molecules to Organisms (2018)
- Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism - Gordon Research Seminar on Biology of Aging (2017)
- Dietary restriction protects from age-associated DNA methylation and induces epigenetic reprogramming of lipid metabolism - Lipid Mediators in Ageing and Disease (2017)
- Tracing organismal ageing through integrative systems biology - Keystone Symposia (2/8/2020 - 2/14/2020)