



Ayşe Maraşlıoğlu-Sperber

Postdoctoral Scholar, Otolaryngology - Head & Neck Surgery

Bio

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-founder, Member, Young German Neuroscience Society (2019 - present)
- Member, German Neuroscience Society (2019 - present)
- Member, Association for Research in Otolaryngology (2022 - present)

PROFESSIONAL EDUCATION

- Master of Science, Universität Kaiserslautern (2017)
- Doctor of Science, Universität Kaiserslautern (2021)
- Bachelor of Science, Universität Kaiserslautern (2015)
- Ph.D, University of Kaiserslautern (2021)
- M.Sc., University of Kaiserslautern , Molecular Cell Biology and Neurobiology (2017)
- B.Sc., University of Kaiserslautern , Biological Sciences (2015)

STANFORD ADVISORS

- Robert Jackler, Postdoctoral Research Mentor
- Stefan Heller, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Hyperosmotic sisomicin infusion: a mouse model for hearing loss.** *Scientific reports*
Maraslioglu-Sperber, A., Blanc, F., Heller, S., Benkafadar, N.
2024; 14 (1): 15903
- **Molecular and functional profiling of cell diversity and identity in the lateral superior olive, an auditory brainstem center with ascending and descending projections.** *Frontiers in cellular neuroscience*
Maraslioglu-Sperber, A., Pizzi, E., Fisch, J. O., Kattler, K., Ritter, T., Friauf, E.
2024; 18: 1354520
- **Murine cochlear damage models in the context of hair cell regeneration research.** *Hearing research*
Maraslioglu-Sperber, A., Blanc, F., Heller, S.
2024; 447: 109021
- **Hyperosmotic Sisomicin Infusion: A Mouse Model for Hearing Loss.** *Research square*
Maraslioglu-Sperber, A., Blanc, F., Heller, S., Benkafadar, N.

2024

- **Glycinergic Transmission in the Presence and Absence of Functional GlyT2: Lessons From the Auditory Brainstem.** *Frontiers in synaptic neuroscience*
Brill, S. E., Maraslioglu, A., Kurz, C., Kramer, F., Fuhr, M. F., Singh, A., Friauf, E.
2020; 12: 560008

- **Topographic map refinement and synaptic strengthening of a sound localization circuit require spontaneous peripheral activity.** *The Journal of physiology*
Müller, N. I., Sonntag, M., Maraslioglu, A., Hirtz, J. J., Friauf, E.
2019; 597 (22): 5469-5493

- **GABA is a modulator, rather than a classical transmitter, in the medial nucleus of the trapezoid body-lateral superior olive sound localization circuit.** *The Journal of physiology*
Fischer, A. U., Müller, N. I., Deller, T., Del Turco, D., Fisch, J. O., Griesemer, D., Kattler, K., Maraslioglu, A., Roemer, V., Xu-Friedman, M. A., Walter, J., Friauf, E.
2019; 597 (8): 2269-2295