

## Positions / awards

### Position at Karolinska

We are seeking a postdoctoral fellow to lead a subproject in a recently awarded [ERC Synergy grant \(D2Smell\)](#) with the overall aim to digitalize smell; under the leadership of Noam Sobel at the Weizmann Institute. The aim of our project is to record signals from all nodes of the olfactory system in moving humans using EEG to understand what chemicals the human olfactory system is consciously processing as well as try to crack the olfactory neural code. The main task of the postdoctoral fellow will be, with the help of research assistants, to set up and validate a new ambulatory EEG system and, subsequently, to analyze and publish collected data. In addition, they will assist in setting up similar systems at other nodes within the ERC project. Beyond working on the ERC project, they will also be able to pursue their own research questions within the framework of our general research program. As a postdoctoral researcher in the group, they will have the opportunity to work in a successful and well-funded research group with a number of senior and junior researchers. Our research group collaborates with a number of prominent research groups around the world, which provides an opportunity for international exchanges.

The initial appointment is for two years with renewal expected if progress is satisfactory. Beyond a competitive salary, with employment at the Karolinska Institutet comes additional benefits, such as five weeks of paid vacation, generous pension payments, nearly free healthcare/childcare/schools, and living in a city ranked as one of the more livable cities in the world with fantastic nature access.

The [Perceptual Neuroscience lab](#) is located in the Department of Clinical Neuroscience at [Karolinska Institutet](#) (Stockholm, Sweden). Our lab aims to determine how the human olfactory system function, in health and disease. Our research uses a variety of techniques including EEG, fMRI, receptor recordings, and psychophysical/behavioral methods. Our lab owns multiple EEG, TMS, and physiological measurement systems, as well as direct access to multiple 3T and one 7T and one MEG scanners (and many more method platforms).

Deadline for applying is midnight (CET) 21<sup>st</sup> of February, 2024.

To find more information and to apply: <https://ki.varbi.com/en/what:job/jobID:696547/>

## References

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[PDF] [Prospective assessment of smell and taste impairment in a South-American coronavirus disease 2019 \(COVID-19\) cohort: Association with the need for hospitalization ...](#)  
AT NP, A Riquelme

[HTML] [Platelet-Rich Plasma for Patients with Olfactory Dysfunction: Myth or Reality? A Systematic Review](#)  
A Moffa, D Nardelli, L Giorgi, S Di Giovanni... - *Journal of Clinical Medicine*, 2024

[HTML] [Olfactory and cognitive decrements in 1991 Gulf War veterans with gulf war illness/chronic multisymptom illness](#)  
LL Chao - *Environmental Health*, 2024

[HTML] [Time–frequency analysis of gustatory event related potentials \(gERP\) in taste disorders](#)

M Mastinu, LS Grzeschuchna, C Mignot, C Guducu... - Scientific Reports, 2024

[HTML] [Investigating the Interplay between Olfaction, Social Behaviour, and Individual Differences](#)

L Zou, MK Mahmut - Brain Sciences, 2024

[Clinical Rounds](#)

X Gu, JP Drouin-Chartier, FM Sacks, FB Hu, B Rosner - 2024

[Smelling of the mothers' diet in amniotic fluid by adult noses](#)

J Gellrich, P Breidel, C Birdir, EC Lohrer, VA Schriever - Chemical Senses, 2024

[PDF] [Combining electrodermal activity analysis and dynamic causal modeling to investigate the visual-odor multimodal integration during face perception](#)

G Rho, AL Callara, F Bossi, D Ognibene, C Cecchetto... - Journal of Neural ..., 2024

[Does vaping affect the taste and smell perception? An exploratory study with New Zealand young adults.](#)

McCormack JC, Agbor Epse Muluh E, Mo Y, McLeod SC, Turner S, Ghelot DS, Browne H, Bullen C, Peng M. *Appetite*. 2024 Jan 31:107236. doi: 10.1016/j.appet.2024.107236.

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Gellrich J, Breidel P, Birdir C, Lohrer EC, Schriever VA. *Chem Senses*. 2024 Jan 31:bjae003. doi: 10.1093/chemse/bjae003.

[Does the number of functional olfactory receptor genes predict olfactory sensitivity and discrimination performance in mammals?](#)

Martinez Q, Amson E, Laska M. *J Evol Biol*. 2024 Jan 6:voae006. doi: 10.1093/jeb/voae006.

[Leveraging Multi-echo EPI to Enhance BOLD Sensitivity in Task-based Olfactory fMRI.](#)

Zhao LS, Raithel CU, Tisdall MD, Detre JA, Gottfried JA. *bioRxiv*. 2024 Jan 16:2024.01.15.575530. doi: 10.1101/2024.01.15.575530.

[Associations between COVID-19 and putative markers of neuroinflammation: Diffusion basis spectrum imaging study.](#)

Zhang W, Gorelik AJ, Wang Q, Norton SA, Hershey T, Agrawal A, Bijsterbosch JD, Bogdan R. *Brain Behav Immun Health*. 2023 Dec 30;36:100722. doi: 10.1016/j.bbih.2023.100722.

## The extra read

[The structure and function of olfactory receptors.](#)

Wu C, Xu M, Dong J, Cui W, Yuan S. *Trends Pharmacol Sci*. 2024 Jan 30:S0165-6147(24)00004-X.