

## Positions / awards / conferences

### Job Offer:

We are looking for researchers with a Master's degree in biological sciences, biochemistry, biomedical engineering, neurosciences or similar, who are either enrolled in a doctoral program or are highly motivated to pursue a PhD in the near future. Ideal candidates should have a solid understanding of basic techniques such as cell culture, molecular/proteomic assays, and microscopy. Hands-on experience with organoid cultures will be a big plus!

### About the Project:

The research will focus on understanding the molecular mechanisms behind the perception of astringency and bitterness in plant-based foods. These sensory properties, when excessive, can lead to food rejection, and our goal is to uncover the connection between these phenomena.

### Fellowship Details:

- Candidate 1 will focus on mechanoreceptors activation and organoid growth and characterization.
- Candidate 2 will work on developing an oral all-in-one cell-based model for use in NMR studies.

The work will be carried out in the Department of Chemistry and Biochemistry, of the Faculty of Sciences of the University of Porto, under the scientific guidance of Prof. Doctor Susana Soares.

If you know anyone who might be interested, we'd love to hear from them! For more information or to apply: <https://euraxess.ec.europa.eu/jobs/309100>.

Application deadline: 30 January 2025

## References

[PDF] [OLFACTORY INTERVENTIONS FOR SLEEP ENHANCEMENT: A REVIEW](#)

ME Eissa - Universal Journal of Pharmaceutical Research, 2024

[PDF] [Understanding Anosmia: Insights from COVID-19 and Its Distinction from Other Respiratory Conditions: A Narrative Review](#)

O Al-azzawi, ZA Marathi, A Al-Samaraie, AH Hermis... - 2025

[PDF] [Der Einfluss von Chemotherapien und G-CSF auf das Riechen und Schmecken beim Menschen](#)

CA Brückner

[PDF] [Vergleich des Riechvermögens auf Länderebene Eine Studie zur Untersuchung der Riechschwelle in Abhängigkeit länderspezifischer Faktoren](#)

R Hinz

[PDF] [Marcin Straburzyński\\* and Anna Romaszko-Wojtowicz 2](#)

SJ Yue, M Abd El Ghany, A Comas-Garcia - 2024

[Parosmia: Pathophysiology and Management](#)

X Xu, JH Juratli, BN Landis, T Hummel - Current Allergy and Asthma Reports, 2025

[PDF] [Olfactory spatial memory: A systematic review and meta-analysis](#)

M Szychowska, J Olofsson, N Cedres

[Efficacy of Using Photobiomodulation Therapy in Allergic Rhinitis: A Placebo-Controlled Randomized Clinical Trial](#)

PC Oliveira, LO Correia, NMD Lopes, J Molossi... - International Forum of ..., 2025

[Culinary Cure? Improved Subjective and Measured Sense of Smell after a Cooking Rehabilitation Program](#)

AW Fjaeldstad - International Journal of Gastronomy and Food Science, 2025

[Olfaction and Alzheimer's disease: from deficits to therapeutic hopes](#)

D Lopolis - Gériatrie et Psychologie Neuropsychiatrie du ..., 2024

[HTML] [The Role of Air Pollution and Olfactory Dysfunction in Alzheimer's Disease Pathogenesis](#)

L Odendaal, H Quek, C Cuní-López, AR White... - Biomedicines, 2025

[Association of olfactory training with olfactory bulb morphology in adults with post-viral long-lasting olfactory dysfunction: A COVID-19 related prospective study](#)

M Baran, MT Kalcioğlu, A Mutlu, B Atalay, MB Dogan... - Auris Nasus Larynx, 2025

[HTML] [What does it mean when the pleasant smells come and go? Correlation between UPSIT odor identification status and fluctuation of non-motor symptoms in ...](#)

HB Lei, TC Fang, YH Lin, SC Chiu, MH Chang, YJ Guo - Acta Neurologica Belgica, 2025

[Persistent Post-COVID-19 Olfactory Dysfunction and Its Association with Autonomic Nervous System Function: A Case-Control Study.](#)

Ayoub L, Almarzouki AF, Al-Raddadi R, Bendary MA. Diseases. 2024 Dec 28;13(1):4.

[Gustatory-Visual Interaction in Human Brain Cortex: fNIRS Study.](#)

Jezińska K, Cymbaluk-Płoska A, Zaleska J, Podraza W. Brain Sci. 2025 Jan 19;15(1):92.

[Correlation Between Indoxyl Sulfate in Chronic Kidney Disease and Olfactory Dysfunction.](#)

Nasution IW, Haryuna TS, Munir D, Nasution S, Eyanoe PC, Nursiah S, Sitompul R. Iran J Otorhinolaryngol. 2025;37(1):19-25.

[A Systematic Review of the Relationship Between Taste and Personality Traits: Phenomena and possible mechanisms.](#)

Li Z, Luo Y, Liu W, Chen H. Appetite. 2025 Jan 20:107875. doi: 10.1016/j.appet.2025.107875.

[What does it mean when the pleasant smells come and go? Correlation between UPSIT odor identification status and fluctuation of non-motor symptoms in Parkinson's disease.](#)

Lei HB, Fang TC, Lin YH, Chiu SC, Chang MH, Guo YJ. *Acta Neurol Belg*. 2025 Jan 22. doi: 10.1007/s13760-025-02727-w.

[Olfactory impairment in Italian patients with chronic rhinosinusitis with nasal polyps: a patient-centered survey.](#)

Anastasi F, Canevari FRM, Gallo S, Gramellini G, Heffler E, La Mantia I, Monti G, Ragusa M, Macchi A. *Front Allergy*. 2025 Jan 7;5:1519069

[Olfactory dysfunction as potential biomarker in neurodegenerative diseases: a narrative review.](#)

De Cleene N, Schwarzová K, Labrecque S, Cerejo C, Djamshidian A, Seppi K, Heim B. *Front Neurosci*. 2025 Jan 7;18:1505029.

[Olfactory Dysfunction in Children and Adolescents-A Diagnostic Pathway.](#)

Gellrich J, Lohrer EC, Hummel T, Schriever VA. *Neuropediatrics*. 2025 Jan 21. doi: 10.1055/a-2509-8547.

[\[Olfaction and Alzheimer's disease: from deficits to therapeutic hopes\].](#)

Lopis D. *Geriatr Psychol Neuropsychiatr Vieil*. 2024 Dec 1;22(4):394-404.

[Anatomy, histology and ultrastructure of the adult human olfactory peduncle: Blood vessel and corpora amylacea assessment.](#)

Raspeño-García JF, González-Granero S, Herranz-Pérez V, Cózar-Cuesta A, Artacho-Pérula E, Insausti R, García-Verdugo JM, de la Rosa-Prieto C. *Tissue Cell*. 2025 Jan 11;93:102737. doi: 10.1016/j.tice.2025.102737.

#### The extra read

[MorphingScents: Fabricating Thin, Flexible, and Shape-Changing Odor-Emitting Mechanism for Interactive Olfactory Encounters](#)

Y Yan, Y Wang, M Yuan, Y Li, Y Shao, G Wang... - *International Journal of ...*, 2025

[Tactile, thermal and gustatory stimulation therapy in the treatment of post-stroke oropharyngeal dysphagia: a scoping review.](#)

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[Design Principles From Natural Olfaction for Electronic Noses.](#)

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