Recruitment 2025/2026

Recruitment form – supervisor/scientific supervisor

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| **APPLICATION OF A POTENTIAL SUPERVISOR in the recruitment process of doctoral students and participants** **and/or TUTOR/SCIENTIFIC TUTOR of the extramural/external mode (“mode E”) at SWPS University** |
| **Name and surname** of the supervisor | **Hanna Bednarek** |
| **Name of the research center/research group/artistic group** to which the supervisor belongs | Centrum Neuronauki Behawioralnej |
| **List** of the most important scientific publications, completed and ongoing research grants; link to ORCID and/or to the ResearchGate/Academia.edu profile (or other website presenting scientific/artistic achievements) | ORCID ID: 0000-0001-6470-5120[Scopus Author ID: 6603278079](http://www.scopus.com/inward/authorDetails.url?authorID=6603278079&partnerID=MN8TOARS)[Loop profile: 466191](http://loop.frontiersin.org/people/466191/overview?referrer=orcid_profile)Granty NCN:1. 1. The influence of cognitive training on susceptibility to visual illusions – as a project manager (2021)

NCN Opus 9 – kierownik dr hab. Hanna Bednarek1. How to increase the mental efficiency of a senior: cognitive training or physical exercises -– as a project manager (2021)

NCN Opus 9 -Grant konsorcjalny USWPS z Instytutem Biologii Doświadczalnej im. Nenckiego- kierownik z ramienia USWPS dr hab. Hanna Bednarek (zakończony w 2021)1. Cognitive determinants of pilots' behavior effectiveness in conditions of spatial disorientation - – as a project manager (2009).

NCN - grant realizowany we współpracy z Wojskowym Instytutem Medycyny Lotniczej. Kierownik projektu dr Hanna BednarekThe last two publications: 1. Bednarek, H., Przedniczek, M., Wujcik, R., Olszewska, J., Orzechowski, J. (2024). Cognitive training based on human-computer interaction and susceptibility to visual illusions. Reduction of the Ponzo effect through working memory training. International Journal of Human-Computer Studies, vol. 184, 103226.

<http://dx.doi.org/10.1016/j.ijhcs.2024.103226>1. Jabłońska, K., Stańczyk, M., Piotrowska, M., Szymaszek, A., Lukomska, B, Bednarek, H., Szeląg, E. (2022). Age as a moderator of the relationship between planning and temporal information processing. [*Scientific Reports*](https://www.nature.com/srep) vol. 12, 1548

https://doi.org/10.1038/s41598-022-05316-6 |
| **Discipline** for a future doctoral dissertation (possible: sociology, political and administrative sciences, culture and religion sciences, literary studies, psychology, fine arts and art conservation) | Psychology |
| **A brief description** of the research directions pursued by the supervisor (a few sentences describing the scientific/artistic specialization; main research problems; scientific interests) and a possible link to the website/research team | Research on the mechanisms of visual illusions occurring in aviation, sports, fashion, and selected professions, e.g. customs officers or radiologists. The role of cognitive and physical training in improving the cognitive functioning of young and older adults. Determining the benefits of cognitive training: perception, working memory and executive functions. |
| **Thematic areas** of planned doctoral dissertations | (1) Susceptibility to visual illusions of a selected professional group, e.g. customs officers or radiologists, and their professional efficiency operationalized by the number of errors made at work (2) The role of perceptual illusions in the process of weight loss and body shaping. (3) Cognitive benefits of physical and cognitive training in young and older adults (4) Designing manual aids for cognitive training for children |
| **Number of people** that the supervisor/scientific supervisor would be able to accept as a result of recruitment in the academic year 2025/2026: | **to the Doctoral School** (doctoral scholarship financed by SWPS University) | Number:1 |
| **for national and international research projects or grants** (doctoral scholarship financed from grant funds) | Number:Project name: |
| **to the Industrial Doctorate program** (doctoral scholarship financed by the Ministry of Science and Higher Education**)** | Number:1 |
| **for external mode** (no doctoral scholarship) | Number:1 |
| **Number** of currently conducted doctorates: | in Doctoral School | Number:0 |
| in external mode | Number:0 |
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| **The number of doctoral students promoted so far**, along with the year of completing their doctoral degrees: | 3 PhDs in Social Sciences **1 PhD in 2020,****2 PhD in 2023, with distinction****3 PhD in 2024**4 (ISD) – under review |
| **RECRUITMENT****Candidates should contact their selected potential supervisors who are members of centers and/or research teams** |
| **Conditions** to be met by the candidate in the field of: scientific interests; scientific competences; achievements to date; knowledge of foreign languages; social competences; availability, etc. | -Experience in planning and conducting experimental research; -Experience in developing research results, preparing databases, -Experience in conducting cognitive and/or physical training is welcome, -Interest in the issues of visual illusions or aviation is welcome; -Research interests in the area of ​​cognitive psychology and individual differences; -Fluent in English; - Openness to creating or knowing computer research procedures; -Interest in conducting research with an eye tracker and/or EEG (optional) -Previous publications on the account or in preparation; -Willingness to cooperate, availability |
| **Preferences** regarding contact with the candidate during recruitment | x☐ E-mail contact: please provide e-mail address*:* *Hanna.Bednarek@swps.edu.pl*☐ Telephone contact: *please provide phone number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*x☐ Personal meetings )*by prior arrangement by e-mail/telephone.)*☐ All forms of contact |
| **Preferred dates, times and location** (in the period March-June 2025) in order to conduct an interview with the candidate | To be agreed |
| **Information** about possible absence preventing candidates from contacting a potential supervisor (with dates) | -  |