

PhD in COGNITIVE BRAIN SCIENCES

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Scientific fields	M-PSI/02; M-PSI/01; M-PSI/04; M-PSI/03; MED-26; L-LIN/01
Brief description	<p>The PhD Program in Cognitive Brain Sciences is a fulltime 3-year joint program with the University of Pavia.</p> <p>The PhD Program is aimed at providing an advanced training in neuroscientific research, focusing on the understanding of the neural processes underlying cognitive functions and behaviour during the lifespan, both in normal conditions and in neurological and psychiatric diseases, and it is strongly oriented towards an interdisciplinary approach. The aim is to train a new generation of cognitive neuroscientists capable of synthesising concepts and methods from different disciplines in an integrated approach to the study of the mind/brain relationship that not only increases competitiveness within traditional disciplinary departments, but also promotes the progress in advanced and new research, and the transfer of knowledge to Health and Education fields.</p>
Language	English
Duration	3 years
Number of positions available	<p>10 positions, of which:</p> <ul style="list-style-type: none"> - n. 3 positions with scholarship funded by National Recovery and Resilience Plan (PNRR) - DM 118/2023 – Investment 4.1 Research PNRR, on the following topic: <i>Clinical and experimental cognitive neuroscience</i> - n. 1 position with scholarship funded by National Recovery and Resilience Plan (PNRR) - DM 118/2023 – Investment 4.1 Research PNRR, on the following topic: <i>Neurostimulation in clinical and experimental cognitive neuroscience</i> - n. 1 position with scholarship funded by National Recovery and Resilience Plan (PNRR) - DM 118/2023 – Investment 4.1 Public Administration, on the following topic: <i>Cognitive aspects in food policy</i> - n. 1 position with scholarship co-funded by National Recovery and Resilience Plan (PNRR) - DM 117/2023 – Investment 3.3. Innovative Doctorates, on the following topic: <i>Neuro-cognitive aspects of the therapeutic interventions in patients with eating disorders</i> - n. 1 position with scholarship co-funded by National Recovery and Resilience Plan (PNRR) - DM 117/2023 – Investment 3.3. Innovative Doctorates, on the following topic: <i>Models of artificial intelligence for the diagnosis and management of degenerative diseases</i> - n. 1 position with scholarship funded by University of Pavia through National Recovery and Resilience Plan (PNRR) - DM 118/2023 – Investment 4.1 Research PNRR, on the following topic: <i>Health and well-being in the ageing society: a multidimensional approach for the diagnosis of cognitive deficits in neurological diseases</i> - n. 1 position with scholarship funded by University of Pavia through National Recovery and Resilience Plan (PNRR) - DM 118/2023 – Investment 4.1 Research

	<p>PNRR on the following topic: <i>The role of social relations in promoting healthy ageing</i></p> <ul style="list-style-type: none"> - n. 1 position with scholarship funded by University of Pavia on the following topic: <i>The role of linguistic experience in spatial representations</i>. This project will test the hypothesis that domain-general, non-spatial learning mechanisms – which are at play in language- are active ingredients in the formation of spatial representations. The hypothesis will be tested by combining different methods, including distributional semantics, non-invasive brain stimulation techniques and eye-tracking.
<p>Submission deadline for the online application</p>	<p>5 July 2023, 13:00 (CEST)</p>
<p>Mandatory documentation* to be attached to the online application</p> <p><i>*failure to upload the documentation referred to in (a) and (b) will result in exclusion from the competition procedure</i></p>	<ul style="list-style-type: none"> a) a PDF copy of a valid identity document; b) self-certification of the Master Degree Certificate (Italian or UE educational qualification), or Copy of the MSc Degree Certificate (NON-EU educational qualification); c) self-certification of the Bachelor Degree Certificate (Italian or UE educational qualification), or Copy of the Bachelor Degree Certificate (NON-EU educational qualification); d) diploma Supplement/Transcript/or similar document of Master Degree Certificate; e) diploma Supplement/transcript/or similar document of Bachelor Degree Certificate; f) Self-certification of the grades of the Bachelor's Degree and of the Master's Degree (through the application procedure). For students holding a degree obtained abroad, the minimum grade for sufficiency and the maximum grade of the home University are also required g) research project (see guidelines on the IUSS website). <u>The candidate who intends to compete for more than one scholarship is required to submit a project for each of the scholarship he/she is applying for. Up to a maximum of three preferences may be expressed. Please note that both expression of interest and order of the preferences are binding for the scholarship assignment. (NB: the topic of the scholarship must be included in the header of the project).</u>
<p>Qualification assessment</p>	<ul style="list-style-type: none"> a) diploma Supplement/Transcript/or similar document of Master Degree Certificate; b) Self-certification of the arithmetic mean (if any), calculated by the candidate, of the grades obtained in the exams taken during the Bachelor's Degree and the Master's Degree (through the application procedure). For students holding a degree obtained abroad, the minimum grade for sufficiency and the maximum grade of the home University are also required. c) research project (see guidelines on the IUSS website); d) academic and professional CV; e) publications, if any; f) referees (maximum n. 3), if any, of whom the candidate has to indicate the institutional e-mail address (through the application procedure); g) motivational letter, if any.
<p>Interview and evaluation</p>	<p>The selection will be performed through the assessment of the qualifications listed in the section “Qualification assessment”, points from a) to f) included, with a maximum of 50 out of points and through an interview, with a maximum of 50 out of points.</p>

	<p>The Selection Board will therefore award a final score from 1 to 100.</p> <p>1. The Selection Board will assess the submitted scientific qualifications awarding a score up to 50 points. The candidates obtaining a score of at least 36/50 in the assessment phase, will be accepted to the interview.</p> <p>2. The interview may also be carried out online, as long as the candidate can be identified. The interview will entail a discussion about the scientific background and skills of the candidate as well as technical/scientific questions, with the aim of ascertaining the candidate's background, vocation and aptitude for research. Candidates obtaining a score below 36/50 in the interview will not be eligible to the ranking list.</p> <p><u>During the interview, the selection board will verify that the candidate has the necessary fundamental knowledge and skills to attend the doctoral course and evaluate the eligibility for the research topics of the scholarships selected, also based on the research project/s submitted.</u></p> <p>3. IUSS Pavia will notify the scholarship holders of their admission to the programme using the e-mail address provided in the application.</p>
Test schedule	<p>The results about the evaluation process will be published on the IUSS website http://www.iusspavia.it</p> <p>The interviews will be carried out at the IUSS Marelli building or online, via Zoom. The date is 13 September at 9:30 CEST.</p>
Information	<p>U.O. PhD Courses: e-mail: postlaurea@iusspavia.it</p>