PSL ★ UNIVERSITÉ PARIS | Artificial Intelligence for the Sciences

Call for applications (in progress, closing date 31-03-2023)

Applications for thesis projects are open from February 1, 2023 to March 31, 2023, on the Euraxess website and on PSL recruitment. The laureates will start their doctorate at the beginning of the academic year 2023.

Eligibility criteria

- Candidates must have a Master's degree (or be in the process of obtaining one) or have a university degree recognized as equivalent to a European Master's degree (attesting to a duration of 5 years of study) at the date of the end of the call;
- No age or nationality criteria apply but applicants must respect the MSCA "mobility rule": they must not have lived or studied in France for more than 12 months between March 30, 2020 and March 31, 2023.
- Applicants must be available to start the program in September 2023.

Documents to be provided by candidates in their application:

- An English translation of their Master's degree (or an equivalent diploma attesting to 5 years of higher education). A copy of the Master's degree or a temporary certificate will be requested at the time of final registration.
- An international CV and a cover letter explaining the reasons why the candidate is undertaking a PhD, applying for an AI4theSciences program offer and specifying his/her professional projects.
- Two letters of reference prepared by academics.
- A letter of declaration concerning the rules of mobility, availability and conflicts of interest, duly signed by the applicant (downloadable from the Guide for applicants)

Selection of applications

For the start of the 2023 academic year, 4 doctoral fellowships, on the 10 subjects listed below, will be funded.
The selection of the future doctoral students of the program will take place in April 2023 in two steps:

- Pre-selection on the basis of application files from April 10 to 14, 2023 (round 1)
- Interviews of candidates and final selection from April 17 to 21, 2023 (remote interviews)

The excellence of the candidates, an essential principle of Horizon 2020-MSCA projects, will allow the selection of 4 thesis projects out of the 10 proposed in the call.

FAQ

The 10 thesis projects open to applications

- PhD Project 1: AI for Abnormal Grain Growth (Mines - PSL)
- PhD project 2: Decoding communication from brain recordings: building the next generation of brain computer interfaces InSAR (ENS - PSL)

AI4theSciences Team
Bruno Bouchard-Denize (Directeur Académique)
Elisabetta Simonetta (Project Manager)

- PhD project 3: Strategic behaviors and equilibria in reinforcement learning games (Université Paris Dauphine - PSL)
- PhD project 4: Phylogeny of communication (Université Paris Dauphine - PSL)
- PhD Project 5: An Approach of Automatic Explainable Fact-Checking with an Application in Social Sciences to the Migration Domain (Université Paris Dauphine - PSL)
- PhD Project 6: Artificial Intelligence for Seismic Hazard Monitoring with InSAR (ENS - PSL)
- PhD Project 7: Simulating early language acquisition with data-efficient spoken language models (ENS - PSL)
- PhD project 8: Can we imagine a decision-making system as a support for access to law? Illustration around the European regulation on AI (Université Paris Dauphine - PSL)
- PhD Project 9: Emergent Behavior in Large Language Models: Social, Cultural and Psychological Dimensions (ENS - PSL)
- PhD Project 10: Linking Linguistics and Brain Dynamics with Deep Language Models (ENS - PSL)

Download the « Guide for Applicants »