

---

**Call for Position:**

ECON-PSR-INDF-2026-09

---

**Fons de finançament/ Financing fund:**

Research Project EC-H2020-SCALER-950180-G.Neu funded by The European Commission, Europe Horizon and by the European Research Council Colonization, Provably Efficient Algorithms for Large-Scale Reinforcement Learning, IP: Gergely Neu.

---

**Offer:**

Research assistant in the field of reinforcement learning theory. Department of Economics and Business. Pompeu Fabra University. Barcelona.

---

**Research Line:** Reinforcement Learning Theory and Causal Inference

---

**Type of contract:**

Indefinite as provided for by Royal Decree 32/2021 of 28 December 2021

---

**Tasks to be performed**

Contribute to the «SCALER» ERC StG project of Prof. Gergely Neu along the following lines:

1. Develop a framework for analyzing instrumental-variable regression methods such as two-stage regression estimators or saddle-point estimators. Provide uncertainty quantification of the resulting estimators.
  2. Deploy the results developed in the first stage for linear value-function estimation problems in reinforcement learning theory. Lay the foundations for generalizing the results for nonlinear function approximation and optimal control.
  3. Contribute to the writing of scientific articles about the results of the project, and assist with the dissemination of the results at conferences and workshops.
- 

**Requirements:**

1. Msc. degree in computer science, engineering, mathematics, or related areas.
  2. Strong skills in the areas of mathematical statistics, optimal control, stochastic processes.
-

- 
3. Relevant experience in reinforcement learning theory, as demonstrated by a strong publication record in the area.
  4. Excellent written and verbal communication skills in English.
  5. Ability to work independently while maintaining close coordination with senior researchers.
- 

**Salary:**

Gross annual salary (full-time): 29.979,98 €

---

**Group and level:**

Group: 3

Level: U

---

**Dedication and working hours:** 35 hours of dedication per week.

---

**Selection criteria:**

Selection will be based on a review of the CV and, where applicable, the completion of a test and/or an interview.

- The assessment criteria will be as follows:
- The candidate's suitability for the main role or tasks to be performed.
- Relevant experience.
- Preference will be given to candidates who are PhD students, or who have at least a Master's degree in Data Science or a similar field.
- Proficiency in coding with Python.
- Experience in monitoring code performance.
- 3 or more years of demonstrable experience in machine learning theory.
- Excellent teamwork and communication skills
- Fluent in English

The candidate who has obtained the highest score in the selection process will be appointed to the post.

**Scores:**

1. Academic qualifications: 0–30 points.
2. Professional experience/Alignment with the proposed profile: 0–40 points.
3. Other merits: 0–30 points.

The minimum score to pass the selection process is: 70 points.

---

---

---

**Selection Committee:**

Full membres:

- President: Gergely Neu
- Vocal 1: Gábor Lugosi
- Vocal 2: Piotr Zwiernik

Alternate members:

- President: Eulalia Nualart
- Vocal 1: Lorenzo Cappello
- Vocal 2: David Rossell

---

Candidates must submit the following documentation to the email [silvia.marquezc@upf.edu](mailto:silvia.marquezc@upf.edu) (reference: ECON-PSR-INDF-2026-09)

1. Curriculum vitae
2. A brief cover letter describing research interests
3. A copy of your ID card, NIE or passport

---

**Date of publication:**

24/03/2026

---

**Deadline for submission of applications: 09/04/2026**

(10 working days from the day after the announcement is published)

Information and monitoring of the selection process:

<https://www.upf.edu/web/econ/research-project-positions>

Link euraxess: <https://euraxess.ec.europa.eu/jobs/421664>

---

Personal data processing:

Data Controller: Universitat Pompeu Fabra

Carrer de la Mercè, 12

08002 - Barcelona

Purpose: Management of selection processes for academic staff (PDI) and for the technical, management, administrative and service staff of the University (PTGAS)

Rights: To access, rectify, erase, and restrict the processing of your data; to object to its processing or request its portability.

[Additional information](#)

---