

# Postdoctoral position in Statistics

**Topics:** generative modeling; high-dimensional robust statistics; optimization

**Location:** Laboratoire des Signaux et Systèmes (Université Paris-Saclay and CNRS).

**Duration:** 12 months (possibly extendable)

**Contacts:**

- [Arshak Minasyan](#) (L2S, CentraleSupélec, Université Paris-Saclay)
- [Avetik Karagulyan](#) (CNRS, L2S, CentraleSupélec, Université Paris-Saclay)

## Context and aims

The future postdoc, together with the supervisors, will work on a project that lies in the intersection of high-dimensional statistics and optimization. The general aim of the project is to establish optimal (in the minimax sense) learning rates for a given statistical model. The topics include but are not limited to generative modeling, sampling and diffusion models, as well as computational and statistical aspects of robust statistics with possible extension to the online setting.

We seek a motivated researcher with a strong mathematical background. This position is for young researchers who aim to apply for permanent academic positions next year. In particular, the future postdoc is encouraged to prepare an application for the CNRS concours of Chargé de Recherche and possible future openings at the L2S lab.

**Required skills:**

- a PhD in Statistics, Machine Learning or Optimization
- a strong mathematical background and publication record

**Gross salary:** The salary is around 36K euros per year. It is a full time position.

**Starting date:** No later than September 2025.

**Supervision:** [Arshak Minasyan](#), [Avetik Karagulyan](#)

**Requested documents for application:** A resume, a motivation letter, and a list of two people who may be contacted for reference letters.

**Application deadline:** 15 March 2025