



MATHÉMATIQUES ET INFORMATIQUE

Sciences
Université Paris Cité

ANR Project SOCOT - Call for post-doc applications

The [ANR project SOCOT](#) (Stochastic Orders and Constrained Optimal Transport) offers a two year post doctoral position at Université Paris Cité. The contract can start in September 2025 or later.

The successful applicant will join the [Laboratoire MAP 5](#) at Université Paris Cité, Campus Saint Germain-des-Prés (6th arrondissement of Paris) and will collaborate with [Nathael Gozlan](#) and other [members of the project](#).

- **Research topics:** The goal of the [ANR project SOCOT](#) is to deepen the understanding of stochastic orders, ubiquitous objects in the mathematics of decision-making, in relation to weak and multimarginal optimal transport problems. Both are important frameworks of generalized mass transport and are vector of new applications. Our team includes analysts, probabilists, data scientists and specialists of optimization. Young researchers interested in working on topics at the boundary between probability and analysis are encouraged to apply. All candidates with a background in optimal transport, stochastic mass transport, convex geometry or functional inequalities are encouraged to apply.

Keywords: Optimal Transport ; Stochastic Orders ; Stochastic Processes ; Functional Inequalities ; Convex Geometry

- **Conditions:** the post-doctoral contract can be established for a duration of up to 24 months. The expected starting date can be September 1st, 2025 or later. The monthly salary will be of approximately 2400 euros net of charges. The position has no teaching duties.
- **Requirements:** Candidates must hold a PhD in Mathematics obtained at most 4 years before the beginning of the activities.
- **Research funds:** The successful applicant will be entitled to use research funds from the ANR project SOCOT, in particular for visits or invitations.
- **How to apply:** Applications should be sent at the email address

nathael.gozlan@math.cnrs.fr

by **January 31st, 2025**.

The application should contain the following documents :

- Curriculum Vitae with a list of publications,
- A research statement,
- A cover letter containing the contacts of two researchers who would be willing to write a recommendation letter if needed.

The applications will be evaluated by members of the project during the month of February. The selection process can include interviews for shortlisted candidates.