

## ANR Project Conviviality - Call for post-doc applications.

The ANR project Conviviality (Convergence and Interactions via Analysis and Probability) is hiring a post-doctoral researcher, for a two year contract starting in September 2025 or later. The selected post-doc will join the Institut Camille Jordan, and be based in the Université Claude Bernard Lyon 1. Applications are welcome and should be sent at the email address [poquet@math.univ-lyon1.fr](mailto:poquet@math.univ-lyon1.fr) by February 28th, 2025. The selection will be done by a committee internal to the project in early March, and could include interviews for shortlisted candidates. The first ranked applicant will be contacted with a post-doc offer soon after.

- **Research topics** : the project is organized around the interaction between probability theory and analysis of partial differential equations, with a particular focus on the use of functional inequalities as a structuring tool, to solve open problems in applied mathematics. Topics of particular interest include particle systems, long-time behavior of stochastic processes and evolution equations, analysis of mean-field dynamics as well as functional inequalities and their stability. More generally, young researchers interested in working on topics at the boundary between probability and analysis are encouraged to apply. General information on the project, including the list of participating researchers, can be found [here](#).
- **Duration** : 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. Candidates preferring a different date and/or a shorter duration are encouraged to mention it in their application. The post-doc offer will include the duration which is proposed to the candidate.
- **Salary** : salary will be adjusted to the experience of the selected researcher, and will range from 25 to 30 K€/yr (free of charge but before income tax).
- **Teaching duties** : position has no teaching load, but comes with the possibility of taking on some light teaching duties, should the candidate wish to gain teaching experience. Classes are usually given in French.
- **Research funds** : the successful applicant will be entitled to use research funds from this same project for visits, invitations, and research-related expenses. A laptop can also be bought with research funds and provided.
- **Application** : please send by email a CV, a list of publications, a research statement (containing the main achievements and future projects, in 5 pages maximum) and a cover letter. The cover letter should contain the proposed dates for the postdoctoral contract and the contact details of two scholars who could be contacted for reference purposes, if needed. Applicants seeking collaboration with one or several specific members of the project (whose list can be found [here](#)) are encouraged to mention the names in the cover letter.

