

Applying for permanent researcher positions at MATHRISK

Contact Agnès Sulem (head of the team): [agnes.sulem\[at\]inria.fr](mailto:agnes.sulem[at]inria.fr)

Interested in carrying out top quality research in mathematical finance/numerical probability/quantitative finance in a stimulating and friendly environment in the centre of Paris?

The [MathRisk](#) project-team at [Inria](#), Paris (France) is looking for candidates for full-time permanent researchers in mathematical finance. We welcome profiles for both junior and senior positions.

INRIA

Inria is the French national research institute in applied Mathematics and Computer Science. World-class research, and, where relevant, transfer to industry are its main missions. Research is structured into "project-teams", spread across nine research centres across France, including the [Inria Paris research centre](#), which the [MathRisk](#) team is part of.

Description of the [MathRisk](#) team

You can meet the team and discover our current projects here: <https://team.inria.fr/mathrisk/en/>

Although **research will be your principal activity**, if you wish, you will be able to carry out **consulting and/or teaching** activities.

Profiles sought

We are especially interested in candidates specialized in:

- Mathematical finance, machine learning, green and sustainable finance, insurance mathematics, stochastic analysis, stochastic control, numerical probability, stochastic graph theory, quantitative risk

Requirements and expectations

- **Candidates must have a PhD** in Mathematics, with a strong background in probability, and relevant research experience.
- They must be highly motivated to pursue a **career in public research in France**,
- **The research programme proposed by candidates must fit in with the team's interests** while extending the scope of the team's research themes, collaborations and perspectives.
- Both French and international applications are welcome. (French language ability is not a requirement).
- No teaching experience is required, although it can be a plus, especially for ISFP positions (see below).

- *A significant supervision and team or project management experience is required for the senior positions (any such experience is a plus for junior positions, but not a requirement). If you come from a country where "habilitation" exists (e.g. France), you must have one to apply for a senior position.*

Calendar and process

Your application will be examined as part of an Inria-wide yearly recruiting process (competitive selection campaign). The calendar has not yet been set for 2023 recruitments, but the deadline for submitting your application (including a research statement) is usually around February.

If you are interested in joining the team, you should contact Agnès Sulem (agnes.sulem@inria.fr) by the end of 2022, i.e. early enough to discuss research interests and to prepare your application.

Salary and benefits

The exact salary is determined by your classification within a certain grade level, which is determined by qualifications and previous experience. There are also additional bonuses and allowances. There are three types of possible positions you can apply for, which are all permanent positions:

- **Chargé de recherches (CRCN):**
 - Full-time research fellow (civil servant)
 - The gross annual salary of a CRCN is between €31,214 (grade 1) and €52,555 (grade 10), depending on qualifications and previous experience
- **Inria starting faculty position (ISFP):**
 - Full-time research fellow with a light feature load (permanent contract, but not civil servant)
 - The gross annual remuneration of an ISFP is
 - €44,664 upon hiring if the candidate has up to 3 years post-PhD experience
 - €51,552 upon hiring if the candidate has more than 3 years post-PhD experience
 - + additional payment linked to teaching hours
- **Directeur de recherches (DR2):**
 - Full-time senior research fellow (civil servant)
 - The gross annual salary of a DR1 is between €42,784 and €66,762, depending on qualifications and previous experience

N.B. As stated above, you can also do consulting and teaching to complement your salary.

All positions also come with additional benefits including:

- Subsidised meals and transport and reduction of private health insurance, which complements the already generous public health insurance scheme you will automatically have the right to.
- Generous leave (7 weeks annual leave + 5 additional days off + 5 more additional days off at dates fixed by Inria or Inria Paris + all French bank holidays).

- Possibility of teleworking (partial: 90 days per year, maximum of 13 days per month) and flexible organisation of work hours.
- Generous pension scheme.
- Access to vocational training.
- Social, cultural and sporting events and activities.

More detailed information

You can find more detailed information on the [Inria](#) website. If you are interested, you are highly encouraged to contact us to have an informal discussion.