Post-doctoral position

Applications are invited for a postdoctoral position at the Mathematics Institute of Toulouse, funded by the ANR project HAPPY on the study of non-linear Hawkes processes.
The position is for two years, with a starting date between March and November 2025.

Supervision   Manon Costa and the members of the ANR project HAPPY.

Possible Research Directions

- Link between continuous time Hawkes processes and discrete versions: rate of convergence, stability in the non-linear cases..

- Branching processes in past-dependent random environment

- Theoretical results on statistical parametric estimators for inhibited large networks

- Mean-field approaches for Hawkes processes

Required skills

- PhD in Probability or Statistics

- a strong mathematical background and record

Work contract conditions   The gross monthly salary starts from 2,600€and may be higher according to prior experience after the PhD. The contract comes with health insurance and other social benefits.

Contact and application   Applications, including a resume, a cover letter and a list of two people who may be contacted for reference letters should be sent to Manon Costa.
(Manon.Costa@math.univ-toulouse.fr).

Applicants will be evaluated first after **December 15th**, and then on a rolling basis until the position is filled. Requests for information about the position should also be sent to the same address.