



# TATA INSTITUTE OF FUNDAMENTAL RESEARCH

National Centre of the Government of India for Nuclear Science and Mathematics and a  
Deemed University

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## **Advertisement No. 2023/4**

Applications are invited for **ONE POSITION of VISITING FELLOW** (POST-DOCTORAL POSITION) to work on an **Indo-French project** titled **“Finite-sized fluctuations in complex systems: A large deviation approach”** funded by **CEFIPRA** under PI: **Dr. Shamik Gupta** (<https://sites.google.com/view/shamikguptagroup/>) in the **Dept. of Theoretical Physics (DTP), TIFR, Mumbai**.

Post	Essential Qualification	Job Requirement	Fellowship	Nature & Period of Post
Visiting Fellow (Post-Doctoral Fellow)	Candidate is expected to have an excellent track record with a Ph.D. in Physics or related fields (Statistical Physics). Those who have submitted thesis to a recognized institute for such a degree will also be considered.	<p>The selected candidate is expected to carry out research on the topic of large deviations in complex systems in and out of equilibrium.</p> <p>The candidate is expected to have broad interests in statistical physics with analytical and numerical expertise.</p> <p>In TIFR, the candidate is expected to work with <a href="#">Dr. Shamik Gupta, DTP</a> and to spend extended periods of stay in France working in close collaboration with <a href="#">Prof. Julien Barre, Univ. of Orleans</a>, Orleans, France.</p>	<b>Fellowship:</b> Rs.47,000/- p.m. + HRA as admissible	Initial appointment is for a period of 1 year, extendable to a further 9 months based on performance. Further extension may be possible depending upon performance and availability of funds.

**Last date for receipt of applications is February 23, 2023**

Interested applicants can send the application via email to Dr. Shamik Gupta ([shamik.gupta@theory.tifr.res.in](mailto:shamik.gupta@theory.tifr.res.in)) and to Dr. Julien Barre ([Julien.barre@univ-orleans.fr](mailto:Julien.barre@univ-orleans.fr)) with subject line **“Application for CEFIPRA Postdoctoral Position 2023”**.

- The email should contain
  1. Cover letter
  2. Curriculum Vitae
  3. Research Statement
  4. Publication list
- Additionally, three recommendation letters with the subject **“Recommendation letter for CEFIPRA-postdoc applicant [Name of the candidate]”** may be sent by referees directly to Dr. Shamik Gupta ([shamik.gupta@theory.tifr.res.in](mailto:shamik.gupta@theory.tifr.res.in)) and to Dr. Julien Barre ([Julien.barre@univ-orleans.fr](mailto:Julien.barre@univ-orleans.fr)).
- Shortlisted candidates will be called for an interview at a later date.