Post-doctoral position in Quantitative Cell Biology/Statistical Physics at the Ecole Normale Supérieure (Paris, France)

We seek to recruit a post-doctoral research associate for theoretical/modelling research on cell differentiation, patterning and cell motility. The questions of interest include the differentiation and patterning of human stem cells to form spinal neural circuits *in vitro* as well as the motility of cells in crowded complex environments which is of relevance to tumor metastasis.

The aim of the project is to set quantitative model descriptions for the systems of interest. It will be pursued as a collaboration between the team of V Hakim (http://www.phys.ens.fr/~hakim/) for the theoretical aspects and the closely located teams of B Sorre (https://institut-curie.org/person/benoit-sorre) and C Sykes (https://www.lpens.ens.psl.eu/research/biophys/equipe-19/?lang=en) for the experimental counterpart. Frequent exchanges are anticipated with A Karma and H Levine, our theoretical colleagues and partners at Northeastern University in the ANR-NSF project "Building Quantitative Models of Eukaryotic Cell Motility"

Applicants are expected to have a strong background in nonlinear dynamics and numerical computation with a clear interest in the study of biological systems. They should be able to work interactively in a collaborative research environment including physicists and biologists.

Interested applicants should submit (1) a Curriculum Vitae (including publications), (2) a brief description of prior research, (3) a brief statement of scientific interests, and (4) contact information for three references as a single PDF file to vincent.hakim@ens.fr. The position is offered for an initial duration of one year with possible extension to one supplementary year. The start date is expected between the spring and early fall of 2025.