

Several DOCTORAL and POSTDOCTORAL openings

in the group of RAVA AZEREDO DA SILVEIRA

at the Ecole Normale Supérieure, Paris

We will be hiring several Ph.D. students and postdocs to work on an array of projects on computation and coding in neural circuits. The projected studies range from the modeling of computations in retinal circuits, to the analysis of large sets of retinal and cortical data, to the investigations of mathematical models of coding. Some of the projects will be set in close collaboration with the experimental labs of Botond Roska (FMI, Basel) and Andreas Hierlemann (ETH, Basel); they will involve the study of mouse retina and cortex, primate retina, and human retina, and questions on the representation and transformation of sensory inputs in populations of neurons. Experience with data analysis and proficiency with numerical methods and programming, in addition to familiarity with neuroscience topics and mathematical and statistical methods, are desirable. Equally desirable are a spirit of intellectual adventure as well as drive and eagerness.

The ENS, together with a number of neighboring institutions (College de France, Institut Curie, ESPCI, Paris Science et Lettres, Sorbonne Université, and Institut Pasteur), offers a rich scientific and intellectual environment, with a strong representation in computational neuroscience and related fields.

Doctoral and postdoctoral salaries will be competitive, appreciably higher than standard French salaries. Depending on their projects, Ph.D. students and postdocs may wish to spend a fraction of their time in Basel, Switzerland, which features a first-rate community of researchers in experimental neuroscience.

To apply, please send a letter of motivation, a statement of research interests limited to two pages, a curriculum vitae including a list of publications, and any relevant publications to rava@ens.fr, and arrange for three letters of recommendations to be sent to the same address.

For full consideration, please apply by 1 March 2018.