



Ecole Normale Sup rieure Cachan (ENS Cachan)
is searching a **junior team leader** on
“IMAGING, SYNAPSE, MEMORY and BRAIN DISEASES”

As part of its strategy to keep a leading position in practicing multidisciplinary research, Ecole Normale Sup rieure de Cachan, a founding member of **Universit  Paris-Saclay**, is looking for a candidate to start a **junior research group** on IMAGING, SYNAPSE, MEMORY and BRAIN DISEASES.

We seek a candidate able to combine the most cutting-edge techniques available in modern neuroscience, in order to unravel the molecular, cellular, and neural circuit mechanisms that underlie learning and memory.

He/she is expected to master state-of-the-art neurobiology techniques including (i) recordings of neuron activities via single or and multiple electrodes or bioprobes, (ii) recordings of transmission at specific synapses of brain slices or cultured neurons (*in vitro* electrophysiology by field- and patch-clamp recordings), (iii) *in vitro* and *in vivo* optical imaging (with super-resolution microscopy), and (iv) molecular and cellular biology.

This project is launched in the framework of the **ATIP-Avenir program** (<http://www.aviesan.fr/en/aviesan/home/atip-avenir-program>), which enables young scientists to create and lead a team within an established French Inserm or CNRS laboratory.

ATIP-Avenir is allocated for a **period of 3 years**, which can be extended for an additional 2 years upon evaluation. It is open to any young scientist, whatever his/her present position and nationality, who has defended his/her PhD (or equivalent doctoral degree) within the last 10 years. The candidate will present its project in front of an international jury that select applicants to different laboratories all over France.

The project will be hosted by Laboratoire Aim  Cotton, a CNRS-ENS Cachan joint laboratory. The new junior research team will strengthen the research of the host unit and at the same time develop its own scientific project. The latter will be able to take advantage of novel transgenic mouse models recently generated within the FP7-HEALTH AgedBrainSYSBIO EU project (<http://www.agedbrainsysbio.eu/>).

Lab. space: ENS Cachan will soon be located in a new building with up-to-date equipment and facilities in the Paris-Saclay cluster, distant of about one kilometer from the new Neuro Paris Saclay Institute (NeuroPSI) research center. Approximately 100 m² on its premises will be available for the junior research team.

Finally, **teaching opportunities** to high-level students will be proposed by the ENS Cachan to the selected candidate.

Contact: Pr Fran ois TREUSSART (francois.treussart@ens-cachan.fr) and Pr Michel SIMONNEAU (michel.simonneau@inserm.fr). Please send a CV and a letter of motivation.