

The INP is looking for a new team leader for the " Mnesic Processes " Team to anticipate the retirement of Pr François ROMAN

The pathologies of the encephalic nervous system result, for the most part, in behavioral deficits in humans. The INP includes a team, under the responsibility of Pr. François ROMAN, with two areas of expertise. On the one hand, the team is specialized in the study of behavioral deficits in rodents (rat, mouse), using tests, some existing, others original, developed and patented by the team of Pr. François ROMAN. This specificity has allowed the creation and management of behavioral stations, to test the effect of cognitive, cellular, or pharmacological therapies with models that reproduce the deficits associated with the damage to localized brain structures in humans. On the other hand, the team has expertise in micro-surgery, creation of experimental models with spinal cord or hippocampal lesions, and in electrophysiology, (electroneurogram, electromyogram, stimulation reception, etc).

Due to the retirement in 2022 of Pr. Evelyne MARCHETTI, member of the team, and of Pr. François ROMAN at the end of 2024, the INP is looking for a researcher specialized in animal behavior and/or lesion models/ *in vivo* electrophysiology, to take over the management of the Mnesic Processes team. This team is currently composed of two CNRS staff (an electronics engineer (IE), a neurophysiologist technician (TCS, PhD)), and an AMU technician with expertise in behavior, tissue processing, immunocytochemistry, etc. These personnel have accumulated a long-standing expertise, as evidenced by about 40 publications, some of which as first author). The team has a wide range of equipment, including 10 automated behavioral stations and an *in vivo* electrophysiology set-up, with premises, laboratory, and offices. The team will continue to benefit from a supportive environment with 10 other INP academic teams with complementary technologies (molecular biology, cell biology, imaging, animal experimentation), labelled technological platforms and a partner biotechnology company. The arrival of a specialist alone or with a team could be envisaged in the framework of the next five-year period 2024-2029. In addition to the management of the team, the title of which could be modified according to the envisaged research axes, it could be considered to set up in the next contract a technological platform on "behavioral and/or lesion models/electrophysiology" open to the INP teams and to other structures.

Skills sought: Physiology and pathology of the central nervous system, behavior, learning and memory, animal experimentation, transgenic animals, creation of experimental models, *in vivo* electrophysiology, (micro)surgery. Skills in cell/molecular biology would be appreciated.

Motivated candidates are invited to contact François ROMAN, Santiago RIVERA and/or Michel KHRESTCHATISKY for any information and to send a CV with a list of publications, a letter of motivation describing current scientific activities/projects (2 pages maximum) and a research project proposal (3 pages maximum).

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